UPDATED REPEATER INDEXES INSIDE!

Celebrating S·E·R·A 21st Anniversary

SERA-SouthEastern Repeater Association, Inc. Representing Coordination and VHF/UHF Amateur Interests Across The Member States of North Carolina, South Carolina, Mississippi, Virginia, Tennessee, West Virginia, Kentucky and Georgia.

REPEATER JOURNAL

SouthEastern Repeater Association, Inc.

Aug., Sep., Oct. 1992 2.50

After the Presentation

Rack's 1992 Man of the Year Award

(See Cover Story Inside)

Suspense before the Award

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Now They Have Something to tell The Grandkids!

John Hamby, WB4UZW, Jim Reid, KH6/W6KPI and Bill Tise, KB4UZN relax at the KH6 at Kauai, Hawaii hamshack after spending hours the night before aiding a ship some 5,000 miles away just off the coast of Cuba, who lost its navigational equipment. The 3 hams aided the Coast Guard by relaying on 20M until the "lost" ship could be located and sent on its proper way. (-Photo by Nick Galante)

See the Story of A Rescue at Sea of A Disabled Ship Near Cuba Thanks to Help of these Hams Page 18 - This Issue

Ham-Birds of a Feather! 4 Generations

The Peacock family of Eastern North Carolina boasts four generations of Radio Amateurs. The latest new member of the fraternity was Allison Peacock, at age 6 who got her Novice. Pictured are: James C. Peacock, 78, Great Grandfather, W4LWU, of Goldsboro; George Peacock, 55, Grandfather, W4WYV of Raleigh; G. Kelvin Peacock, 35, Father, KO4MX of Goldsboro, and daughter Allison, KD4NNH. (Photos supplied by mother, Jean Peacock)

ALLISON PEACOCK, created quite a stir at the Kinston (NC) hamfest. She had recently passed her Novice Test at the age of 6. The young lady enjoys talking with her Grandfather in Raleigh. Her father helped her learn the code by marking dits & dahs on her ABC building blocks when she was a baby.

REPEATER JOURNAL

The Voice of the SouthEastern Repeater Assn., Inc

Published 4 times a Year by SERA, Inc.

Aug., Sep., Oct., 1992

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Repeater owners and users are urged to contact local state SERA Directors/Vice Directors for assistance, information, coordination or other needs as required. Please call within reasonable hours and allow reasonable time for action! Remember SERA Officers work for you VOLUNTARILY. NO Pay!!

Editorial Comment

That Strange Voice On Your Repeater

Tis the time of the year when under normal circumstances we hear lots of strange one-sided conversations on our repeaters in the morning and evening hours. This year, there's an added twist, the strong one-sided conversations are occuring when there aren't band openings.

SERA is received dozens of complaints over the past couple of months from repeater owners, clubs, repeater users and whomever about "interference" to the home repeater.

As we mentioned earlier, part of the problem is the time of the year. In early Summer, extending through early Fall, the hot weather of daytime, and cool nights, cause temperature inversions on VHF and UHF frequencies. Most call them "band openings."

Sometimes a person on the coast can be heard on repeaters several states away, or 200 miles inland - depending on the direction of the "ducting."

The best way to check and see if there is a "band opening" is to tune around the band. Are you hearing repeaters you don't normally hear? Are repeaters you normally barely hear coming in full scale? If so, the band is open. Naturally operators working repeaters using their normal power and antenna systems are going to get into other repeaters many miles away.

Normally when you are operating in "good" band conditions, and are keying up more than one repeater, you can hear a "growl" or "whine" heterodyne of both machines when you release the key. If you hear this condition, you should take every step you can to eliminate this situation, because you are obviously getting into another repeater you shouldn't be doing. Reduce your power to its lowest level. If the hetrodyne is still present, try using a smaller antenna. Get off your "88" elements on the 150-foot tower, and try a ground wave off the gutter, or a mobile antenna on the car.

As you know, the FCC rules state "use only power necessary to obtain good communications." So if 1-watt on a mobile antenna works, don't run 100 watts up a 150-foot tower with 88 elements.

Fringe Area Operators Causing Problems

A new wrinkle which is coming upon us is the operator who is sitting about half way between two different repeaters talking up a storm on both machines, and not realizing what is happening.

Continued on Page 11

REPEATER JOURNAL

Aug., Sep., Oct. 1992
Volume 21, No. 3
ORGANIZED IN 1971
"Celebrating Our 21st Year"

In This Issue

The Voice of the SouthEastern Repeater Assn., Inc

That Strange Voice On Your Repeater (Editorial) 1
Tennessee Coming On Strong (Full Membership Report) 3
He Entered Through That Other Door (Cover Story) 7
FCC News and Happenings 13-14
Lightening Can Do Damage - Even When You Ground 16
Greensboro ARA Assists in Youth Soccer Tournament 17
The Legend of Charlie Whiskey - A Feature story! 19
Carolina Digital Coordination Council Formed 22
South Carolina News 24
West Virginia Notes 39
Virginia News 43
The Dead Bull (DB) Gain Theory - Another Feature! 44
Georgia News 45
Area Ham Aids In Sea Rescue 46

Where To Find It Quick!

Directors/Vice-Directors 1
Officers & Committee 2
Repeater Indexes (by Freq.) 27-31
Rep. Indexes By-City By-State 32-38
SERA Financial Report 39
VEC Exam Schedule 50-51
Full Membership Application 52
Associate Membership Application 58
Hamfest Calendar 59
Advertisers Index (Where to Buy) 60

About SERA Associate Membership (Repeater Users)

Amateurs, especially repeater users, are invited to join SERA as Associate Members. Only $6.00 per year will enable Amateurs to support the organization and receive the ***Repeater Journal***. Associate Membership deadlines are the 15th of the month preceding months of publication -- Jan. 15, April 15, July 15 and October 15. Persons joining or renewing their membership must have their application into the Tobaccoville Post Office Box by these deadlines to receive the next upcoming ***Repeater Journal***, published the first week of February, May, August and November. Memberships received after any deadline will not receive next to-be-published ***Repeater Journal***, but instead will receive the forthcoming issue the following quarter. HOT-P Associate Memberships (***Repeater Journals*** mailed 1st Class rate) are limited to one year memberships at $12.25 per year. Regular membership ***Repeater Journals*** are mailed 3rd Class Bulk Mail. SERA does not issue receipts for Membership applications, nor are Journals forwarded to new addresses. If you move, we must be notified. Members should wait until next ***Repeater Journal*** comes out to report any problems. Write SERA Associate Membership, P.O. Box 215, Tobaccoville, N.C. 27050-0215. Associate Members may hold appointive offices and positions within the SouthEastern Repeater Association, Inc.

About SERA Full Repeater Membership (Repeater Owners)

Officers and Directors are elected from Repeater respresentatives who are SERA Full Members. Any repeater owner or club may join SERA as a Full Member if they have an operable repeater on the air. Full Membership application, coordination information (if not on file) and $15.00 should be submitted for the annual Full Membership fee. Two Full Members, named and listed on the application by the owner, receive the ***Repeater Journal*** from each application. The Full Member repeater is also appropriately recognized as a SERA supporter in the repeater index with a asterisk (*) code. All Full Memberships expire on December 31 of each year. Write SERA Membership, P.O. Box 215, Tobaccoville, N.C. 27050-0215.

About the SERA Repeater Journal

The SERA ***Repeater Journal*** is published quarterly, the first week of the months of February, May, August and November of each year and mailed free to members of SouthEastern Repeater Association, an eight state repeater coordinating organization made up of repeater owners and users. Permission is granted for use of material other than repeater indexes contained in the ***Repeater Journal***. (See Important Note this page) provided proper credit is given. The ***Repeater Journal*** Editor will swap newsletters with other Repeater Councils, News organizations and clubs upon written request. DEADLINES: Ad space reservations are the 20th of the month, and ad copy due the 1st of the next month, ONE month prior to publication. News deadlines are the first of the month prior to publication month. ***The Repeater Journal*** is entered as Third Class Mail at the Post Office in Greensboro, N.C. The ***Repeater Journal*** newstand cover price is $2.50 and is available from numerous retail Amateur Dealers in the surrounding 8-state area. (See list elsewhere this issue). All news and Newsletter exchanges should be mailed to the Editor: Wayne C. Williams K4MOB, 600 Lakedale Road, Colfax, N.C. 27235.

About the SouthEastern Repeater Association, Inc.

SERA, SouthEastern Repeater Association, Inc. is one of the largest, most well known non-profit Repeater Coordinating Copuncils in the United States. SERA territory covers over 1,600 repeaters in member States of North Carolina, South Carolina, Virginia, Tennessee, West Virginia, Kentucky, Georgia and Mississippi. SERA celebrates its 21st anniversary in 1992 with a continuing goal - to serve the repeater owners and users of the Southeast by providing a voice of communications, information and education with the publication of ***The Repeater Journal***, and the guidance of our State (Director) Coordinators, officers and volunteers. Your support, comments and reccomendations are appreciated.

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Has Largest Membership Gains In Last Quarter

Tennessee - Coming On Strong!

- 51 Sign Up in 2nd Quarter
- Tennessee Has strongest gain
- North Carolina Still Leads

SERA Repeater owners certainly made David Ward, KA4LVO, Membership chairman happy the last quarter. Normally the biggest bulk of repeater owners have signed up prior to May of each year. This year it was different, a total of 51 more repeaters signed up as Full SERA Members between the May Repeater Journal and July 15th.

The biggest gains were in Tennessee where a whopping 17 new members sent in their application, making still another record turnout for that state of 182 members out of 336 repeaters, or 54.3% This is impressive!

North Carolina continues to lead in total repeaters as Full Members, AND total percentage of repeaters. The Tarheel state picked up a total of 207 member repeaters for 77.5%.

Running third, behind Tennessee in total membership numbers is Georgia with an impressive 177 members for 57.1%. Virginia is next with 132 repeaters for 68.0%

Running second in percentage behind North Carolina is West Virginia with a great 71.2% or 74 of 104 repeaters as SERA members.

Next is South Carolina with 53.1% or 60 of 113 repeaters, followed by Kentucky with 39.6%, 63 of 159 repeaters, and Mississippi 21.8% or 26 of 119 repeaters.

Tennessee repeater owners, especially those in the WESTERN portion of the State apparently have taken the challenge with a rally last quarter. They are now 27 repeaters ahead of the entire 1991 sign up season. It would be great to see Tennessee break the 200 mark this year. The state is so large, and has so many repeaters, their showing this year in the first 7 months exceeds any full year in their history within SERA.

Repeaters who are Full Members of SERA are indicated with a star beside their listing in the repeater index. Non-members are indicated with an "N" beside their listing.

Overall, SERA is receiving tremendous support from its repeaters in the eight states. Some 921 are full members out of 1601.

Full Membership is strictly voluntary amoung repeater owners. It has nothing to do with coordination, or not coordination. A repeater does not have to join to be coordinated. Being a member does not automatically grant an uncoordinated repeater cordination either.

The repeater owners who do join, do so because they want to support SERA with their memberships.

There's Still Time!

If you are a repeater owner, you can still join SERA as a Full Member, and two representatives you name will receive the *Repeater Journal* through the end of the year. Cost is only $7.50 through December 31.

A handy abbreviated version of the Full Membership application is printed in this issue for your use. Deadline for listing in November Journal is October 15.

SERA - SouthEastern Repeater Assn. Full Membership

By State - By Year - From 1983 to Present

SERA DIST	TTL '83	TTL '84	TTL '85	TTL '86	TTL '87	TTL '88	TTL '89	TTL '90	TTL '91	CUR '92	1992 Mbr%	STATE RPTRS
NC	100	83	149	147	123	145	181	157	189	207	77.5%	267
SC	24	35	56	43	44	46	59	50	53	60	53.1%	113
VA(1)	58	60	92	88	98	99	151	122	127	132	68.0%	194
WV(1)	28	21	41	40	51	39	51	54	67	74	71.2%	104
TN	47	58	85	63	80	80	111	128	155	182	54.3%	335
GA(2)	9	18	109	125	110	100	104	124	142	177	57.1%	310
KY(3)	1	4	18	21	19	15	48	53	66	63	39.6%	159
MS(4)	--	--	--	--	--	3	12	36	38	26	21.8%	119
TTLS	267	279	550	527	525	527	717	724	837	921	57.5%	1601

(1) Total Virginia list does not include 75 repeaters in T-MARC Territory, (N of Highway 33 and Latitude 38-degrees North. In Addition, 5 repeaters in West Virginia Panhandle area are T-MARC.
(2) Georgia assumed SERA District Status in mid 1985.
(3) EKY assumed SERA District in 1985, W. Ky in late 1989. District renamed Kentucky District.
(4) Mississippi assumed SERA District status in late 1989. *Updated as of 7-15-92*

SERA Board To Meet In Knoxville Aug. 8-9

The SERA Board of Directors will have their annual Summer meeting in Knoxville, Tn. on August 8 & 9.

Heading up the agenda will be the appointment of a nominating committee which will have the responsibility of nominating new Directors and Vice-Directors for each of the 8 SERA States. These nominees will be published in the November Journal, with an opportunity for Full Members from each State to nominate "from the floor" anyone else of their choosing for Director or Vice-Director, or both.

Also on the agenda for the meeting is a By-Law change which has been proposed. It concerns elections and the times involved in receiving nominations, conducting an election, getting out ballots, and returns.

This is a result of an election held last year for President. The Secretary got the nomination late, with such a short time available, she was late getting ballots mailed to all Full Members in 8 States. Many members were confused and thought the ballots had to be back in the hands of the Secretary in only a couple of days. Actually the deadline was a postmark date, not "in hand" date. Consequently there was much confusion by many. This new By-Law change should eliminate that.

Repeater Index Has Slight Change

We've made a slight change in the SERA Repeater Index. The By-City-By-State portion of the index has a point larger typeface, making it a little easier to read.

We were able to accomplish this by using a condensed typeface to maintain width copy requirements, but increase depth by one size. This adds slightly over one page to our overall index, but the Journal staff felt the extra space used was worth it considering the improvment.

The By-Frequency index was not effected with this change.

Repeater Journal Deadlines

The Repeater Journal staff has been overpowered with late articles, ads, and other items coming in a week or more past the deadline. Due to shortage of manpower, and the ever increasing size of the Journal, more ads, etc., we will be unable to guarantee insertion of any articles or ads that come in late for future issues. We will make every effort, but with no guarantees. See Page 2 for future issue ad and news deadlines.

35th Annual

SHELBY HAMFEST

The Grand-daddy of Them All!

FREE PARKING! Park across the Road from Main Entrance to the Fairgrounds, on Paved, Lighted Lot. Handicapped & Tailgaters use gate near Intersection of Highway 74 Business and Highway 180.

VOLUNTEER EXAMINATIONS BY WCARS/VEC

Saturday, Sept. 5, and Sunday Sept. 6, at 2:00 p.m. at CLEVELAND COUNTY OFFICE BUILDING, adjoining Hamfest grounds. Cut-off date: August 31, 1992. Send completed Form 610 (June 1984 or later), photocopy of present license, any certificates, check or money order for $5.40 fee payable to WCARS/VEC and note stating what examination elements you desire to take to:

Norman Harrill, N4NH
No. 7 Skylyn Court
Asheville, N.C. 28806

Applicants must bring original of present license and any certificates to the examination session.

SORRY, NO WALK-INS!

1992 SHELBY HAMFEST PRE-REGISTRATION FORM

I would like to Pre-Register for The 1992 SHELBY HAMFEST Enclosed is my check for:

W4NYR SARC CLUB SHELBY AMATEUR RADIO CLUB

_____Hamfest Tickets at $4.00 each. Total:_____

Under 12 Years-Old FREE!

Name_____Call_____

Address_____

City_____State_____Zip_____

Phone: ( ) _____

Mail Completed Pre-Registration form with your Check, Please include S.A.S.E. for Return of your Tickets

MAIL TO: SARC
P.O. BOX 2206
SHELBY, N.C. 28151-2206

Pre-Registration Tickets Will Already Be In The Barrel!

SATURDAY AND SUNDAY

September 5th and September 6th

To Be Held At The Cleveland County Fairgrounds SHELBY, N.C.

An ARRL Sanctioned Hamfest

PRIZES & AWARDS

PRE-REGISTRATION AWARD:
ICOM IC-2GAT Hand-Held Transceiver, with BC-35 drop-in charger. Drawing at 11:00 a.m. Saturday, September 5.

MAIN AWARDS:
Drawing Both Days at 2:00 P.M.

SATURDAY:
ICOM IC-229H 2-Meter Transceiver.

SUNDAY:
First Award: ICOM IC-765 H.F. Transceiver.
Second Award: ICOM 725 H.F. Transceiver
Third Award: ICOM IC-229H 2-meter Transceiver.
Fourth Award: ICOM IC-2GAT 2-Meter Hand-held transceiver
You do not have to be present to win the above awards.

Major awards obtained with the cooperation of ICOM AMERICA, INC.

PLEASE NOTE

NO Member of the SHELBY AMATEUR RADIO CLUB or Immediate Family is Eligible To Win any Awards.

The 1992 SHELBY HAMFEST

Sponsored by The Shelby Amateur Radio Club

For General Hamfest Info:
John Ledford, N4GOQ
3410 Oakcrest Drive
Shelby, N.C. 28150
Phone: (704) 482-4507

Ace Lovelace
719 Washburn Switch Road
Shelby, N.C. 28150
Phone: (704) 434-2140

For Dealer Registration:
Barbara Elliott, N4MRZ, Chmn.
P.O. Box 191
Fallston, N.C. 28042
Phone: (704) 538-7919

HAMFEST INFORMATION
Please Call Direct to the Shelby Hamfest Site, Beginning August 30 thru Sept. 6th.

PHONE (704) 480-6928

AREA MOTELS

Some of the motels in the area are listed below. They recommend that you call well in advance, otherwise reservations may be a problem.

SHELBY (704)
Comfort Inn-482-5666
Freedom Lodge-484-2101
Day's Inn-482-6721
Governor's Inn-482-3821
Town House-484-8539

KINGS MOUNTAIN
Comfort Inn-739-7070
Holiday Inn-739-2544

OTHER NEARBY MOTELS

GASTONIA - Mid-town, Howard Johnson, Scottish Inn, Knights Inn, Econo Lodge, Hampton Inn, Innkeeper
GAFFNEY - Days Inn, LaDel Motel, Comfort Inn
FOREST CITY - Gordo's, Big Horn, Goodes, Henderson Inn
LINCOLNTON - Town & Country
HICKORY - Howard Johnson, Holiday Inn, Mull's, Ramada Inn

35th Annual

SHELBY HAMFEST

The Grand-daddy of Them All

LOCATION:
Cleveland County Fairgrounds on U.S. 74 Business, at intersection of N.C. 180, 3-1/2 miles East of Shelby, N.C.

FACILITIES:
Indoor buildings for all new equipment dealers. 15+ acres for all types of tailgating. Plenty of FREE parking outside grounds.

FOOD:
There will be food service on the grounds. Most of Shelby's restaurants are within a few minutes drive of the Hamfest site.

REGISTRATION:
$4.00 for pre-registration (see form on left page) and $5.00 at the gate. All tickets good for both days. Children under 12 FREE! Pre-registration ticket requests received after August 25 will be held at the front gate.

OVER-NITE CAMPING:
Facilities include over 40 sites with full hook-ups, water, sewer and electricity. Sites available on first-come basis and *none will be reserved under any circumstances*. Unlimited field space for self-contained units:
$10.00 per day for full hook-ups (lights, water & sewer)
$5.00 per day for water & lights
$3.00 per day for tents, etc.
ATTENTION MOTOR HOMES: If you must drive your motor home away from your campsite, please notify the camping committee chairman, **TOMMY BRIDGES, K4GNR**, and receive your "Campsite Occupied" sign.

FLEA MARKET:
Charges: One admission ticket for a 10 foot space, plus one additional ticket for each additional 10-feet of space used. Gates open at 6:00 a.m. Saturday and Sunday.
ALL VEHICLES entering Flea Market area will have to pay an additional $3.00 charge if you are not a Flea Market vender. (This does not affect Commercial Dealers and campers.) There has been two acres of NEW Flea Market space added this year, near the flea market entrance gate.

ACTIVITIES:
For all ladies on Sunday morning following Sunday School. Sunday School to be held Sunday morning at Hamfest grounds at 10:00 A.M.

TALK-IN 146.28/88

TRI-CITIES
HAMFEST & COMPUTER FAIR

(SERVING HAMS FOR 12 YEARS)

Saturday, October 17, 1992

Sponsored by Kingsport, Bristol, & Johnson City Radio Clubs

Fastest Growing Hamfest In The Southeast

1. Ten-Tec Paragon

2. Icom Ic 2410 2mt/440
3. Cushcraft A3S Tri-Band Beam
4. Custom Made Gin-Pole
5. Yaesu G400 RC Rotor

CW CONTEST PRIZE AEA MM 3 KEYER

FCC LICENSE EXAMS

Send Check for $5.40 payable to ARRL-VEC and copy of your license along with a completed 610 to Jim Roller, N4IR, Phone 615-323-7922, 714 Foothills Road, Kingsport, TN 37663. Bring original license & two ID's to exam. Must Pre-Register by October 10th. **NO WALK-INS.**

ARRL SANCTIONED

PRE-REGISTRATION PRIZE

Bill Noble's Custom Built 40 amp Power Supply

Friday night set-up available after 6:00 PM. with overnight security.

General Information	**PRE-REGISTRATION FORM**	Dealer Information
Call Wendell K4ZHK	**Mail to Tri-Cities Hamfest**	Call Sonny WD4PIW
615-926-5755 Office	**P. O. Box 3682 CRS**	615-323-7922 Home
615-928-4407 Home	**Johnson City, TN 37602**	

QUANTITY		TOTALS
_____	General Admission $5.00 (Children 12 & under admitted free)	_____
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TALK-IN 146-97

RACK 1992 Ham of the Year Award

He Entered Through That Other Door!

Repeater Journal Cover Story

-by Ray Adams N4BAQ
on behalf of the Board of Directors
and membership of
Radio Amateur Club of Knoxville, Inc.

DAVID WATERS, AC4JF was recently named the 1992 Radio Club of Knoxville (TN) ***Ham of the Year.*** Ray Adams, N4BAQ made the presentatation to David before the Club. Adams said this was a unique story. The ***Repeater Journal*** is pleased to re-print Adam's remarks at the Awards Banquet in Knoxville.

RACK 1992 "Ham of The Year" is awarded to David Waters, AC4JF. The presentation was made by Ray Adams, N4BAQ. Waters came into ham radio through the nocode route, and upgraded to Extra in just four months. David is now a member of the WCARS Volunteer Examiner program. (Photos provided by RACK)

I first met David P. Waters II April 13, 1991 when he came into the exam room at the Oak Ridge, Tennessee hamfest for testing. All he wanted was a NOCODE license. Now that NOCODE was actually here, he wanted a license. He had wanted a license for years, but that *&%$#@ code had served as a most effective stumbling block. We know that was the case because he told us so. Be that as it may, he not only passed Elements 2 (Novice written) and 3A (Technician written), the qualifications for a NOCODE Technician Class license, but 5 WPM as well that day (just for sport I suppose) and was issued KD4AHE as Technician Plus on May 7, 1991.

David got to listening to some of the repeater IDs, decided this thing called code was difficult only for those who had never really tried to learn it, and turned up back in the exam room at the Knoxville Hamfest June 1, 1991. This time he was accompanied by his wife, Tammy. While David was upgrading to General, Tammy qualified for NOCODE Technician Class license KD4CLH herself, issued on July 2, 1991. Neither were satisfied.

On June 15, 1991, David was again in the exam room, qualifying for Advanced Class, with KO4GC being issued August 6, 1991. Still not satisfied, he passed Element 4b, Extra Class written on July 20, 1991, and on August 17, 1991 he passed the 20 WPM code test that completed his qualifications for Amateur Extra Class. AC4JF was issued September 10, 1991. In four months and four days he went from ground zero to Amateur Extra Class! Not a really sloppy performance from someone who only wanted a NOCODE license.

On September 23, 1991 David joined the ranks of the Volunteer Examiners, and, on October 19, 1991, during a session that was used to show him how the program worked (he was NOT an examiner for purposes of that session) Tammy gained HF privileges as she moved to Technician Plus by reading 5 WPM at an accredited VE session.

Thus we see that neither of them are now NOCODE licensees, yet neither have ever held a Novice license. They came through that other door.

In the intervening year, both have been caught up in the enthusiasm of Amateur Radio. Tammy has a spontaneous class going amongst her sixth graders in the Sevier County Tennessee school system. We are primed to put an accredited VE session in her classroom when she says the word. Anyone want to make book as to whether or not it will happen?

David, on the other hand, has been into almost every phase of Amateur Radio. He asked more than one a surprising question, coming from a newcomer - "How can I make a contribution that is worthwhile?" Asking a variety of people, he got a variety of answers. That would have discouraged most. Not David. He simply did them all!

Of course he showed up at field day, enjoyed the camaraderie of the occasion and contributed considerably to the fun and frolic and other "goings on."

Power lines at the Cross Mountain site of KA4AZQ/R have far outlived their originally expected life, with the coal long ago strip-mined out and the area abandoned by the land companies. Appalachia at its worst. David has been among the work party several times that has ventured into them thar hills. As David is an electrician by trade, his expertise is particularly valuable in that instance, and especially so when he demonstrates he is not afraid to get his hands dirty. Walk or ride a (4 wheel please!) All Terrain Vehicle. No conventional 4 X 4 vehicle can get there!

David is a member of both RACES and ARES and we would expect him to be a dependable contributor should the need arise. He and Tammy are at most of the drills, even though they live an hour and a half away. As evidence of the confidence of others, he has recently been appointed Emergency Coordinator of Sevier County.

Jean Gielsler, W4TYU and I rejuvenated the weekly broadcast of the audio version of "Westlink" during my year as president of RACK in the fall of 1983, as best we can now determine. While I was in position as control operator, linking and unlinking our mountain top repeaters at the appropriate times (including muting certain receivers during the broadcast when interference was present or thought to be likely) Jean would broadcast the tape he had recorded during a phone call to the west coast at club expense. The Middle East Tennessee Emergency Net followed with Jean as net control with 147.30 and 224.50 linked in such a way that a transmission on either band comes out equally well on both. During the 8 years or so we did that, Jean missed less than a dozen sessions, I missed three.

In the fall of 1991, Jean made a general request for relief and David volunteered for the weekly responsibility of broadcasting NEWSLINE, as the audio form is now known, each Tuesday night at 9:00. Jean generally still serves as net control for the session that follows. If he is not around, David handles that chore as well. Jean apparently feels free to leave the duty for David to perform, as he has missed more sessions in the six months or so that David has been on the scene than the entire 8

Continued on Page 25

Cover Color Photos

Top: Rich Slover, ND4F, Ron Russell, KA4AZQ, David Waters, AC4JF (with RACK Ham of the Year plaque), Ray Adams, N4BAQ, Angie Crigger, N4RPR, Shirley Russell, KC4FGE, Sherri Hatcher, KD4CKZ, Steve Holbert, KB4FZK, Terri Steele, N4NSY and Frank Ambrister, N4OQJ, Club President.

LOWER LEFT: Suspense builds up, as at the moment the photo is taken, David Waters realizes what all the other club members knew all along - he was being named RACK Ham of the Year. His wife Tammy, KC4CLH and Don Hatcher, KD4AGX, (right) try to contain their excitement as David suddenly comes to the realization of what is happening to him.

LOWER RIGHT: David proudly displays the handsome plaque presented to him at the banquet as the RACK 1992 Ham of the Year. (Color Photos supplied by RACK)

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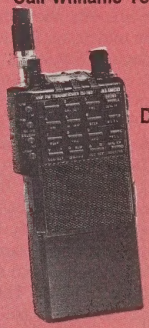

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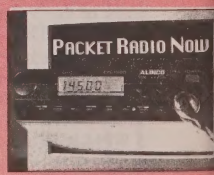

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Strange Voice On Repeaters

(Continued from Page 1)

On behalf of all the repeater owners, and operators experiencing these problems, we appeal to each of you to examine your operations. See that you are clean, and are not causing any of the problems which are occuring daily all over the area.

Some of the problems may be caused by some of the newly licensed hams who don't realize what is happening. There are many others who have been licensed for years and should know what is happening and what they are doing. A person knowingly operating through more than one repeater, causing hang-up and one-way conversations on a distant machine is guilty of malicious interference, and some of the repeater owners are getting downright upset about this. They just may file some official complains in the name of the person who is doing the talking - knowingly OR unknowingly.

A Good Way To Train

Clubs and repeater groups especially should take it upon themselves to offer refresher traing to the "old-timers" and basic training to the new operators on problems incurred operating on fringe areas, and operation during band openings with excess power and antenna systems.

No one wants interference on their repeater, so each of us need to weigh our own system, and be aware of exactly where our signal is going. We should each be aware of WHAT repeaters, on WHAT frequencies are within 50-75 miles of our location.

Remember, coordinations across the country, place co-channel repeaters about every 100 miles or so. This has worked for 20 years, it should work now.

It stands to reason, if you are 50 miles away from your favorite repeater, and especially if you have to run a little extra power to get in, chances are you are keying up another repeater 50 miles in the opposite direction just as easy.

Fringe area operators must be very careful, especially with big power and big antennas. They most assuredly WILL cause problems if they aren't careful.

Mobile operation is not immune - in fact, very often it is a mobile halfway between two machines, running a little too much power that ties up two or three repeaters.

Either way, mobile or base - your attention is needed to resolve some of the situations that are occuring.

Here are some things you should keep in mind when operating VHF & UHF repeaters:

- ✔If you live in a "fringe" area of the local repeater (40-50 miles away) - be very careful about other repeaters on the same frequency in the other direction.
- ✔If the band is open, in the morning or the evening, chances are you're getting into more than one repeater - be considerate.
- ✔If you have up a DX array (88 elements, on 150-foot tower, and 150-watts of power), get off all of it to work the local repeater. Use your DX stuff on simplex. Use only the amount of power necessary (as prescribed by the FCC) to obtain good communications.
- ✔If you hear one-sided conversations on your repeater, check first

Continued on Page 14

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FCC News and Happenings . . .

-From W5YI, the FCC and ARRL Letter

To Relax Restrictions On Business Communications

On June 18, the FCC adopted a Notice of Proposed Rulemaking (NPRM) to change the "Prohibited Transmissions" rule in the Amateur Radio Service (Rule 97.113). Developed over many years, the current rule is designed to preserve the service's non-commercial nature while permitting it to be used for certain public-service applications.

The rule has long given some amateurs grief, particularly those involved in mass public-service events such as races and parades.

The limitation appears closer to home when amateurs cannot legally use their radios to conduct hamfest communications. Only certain kinds of public-service event communications -- mostly related to safety -- and may not use their frequencies for the ordinary transportation and administrative operations of an event or agency.

In response to requests from the ARRL and many others, the FCC has proposed amending its rules for the amateur service by lessening restrictions on the scope of the permissible communications that amateur stations may transmit. The proposal includes greater flexibility to transmit communications for public-service projects and personal matters.

In their proposal to the Commission, the ARRL suggested a middle ground between removal of all rules governing business communications, and the present interpretational status of 97.113.

The four principles cited were:

(1) Communications in exchange for compensation are prohibited;

(2) Communications for benefit of one's employer are prohibited;

(3) Communications in which the control operator or licensee have a pecuniary interest are prohibited; and;

(4) . . . the Amateur Service shall not be regularly substituted for other licensed radio services.

Comment due dates had not been announced at presstime. (Tnx W5YI)

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See Pages 8-9

UPS Loses Bid For 220 MHz Band Hearings With FCC

At their June meeting the FCC Commissioners voted against a request by United Parcel Service in the licensing of the formerly amateur 220-222 MHz band. Over 60,000 applications have been filed for the new 220 MHz business spectrum - 174 of them for commercial and non-commercial nationwide channels.

UPS had wanted the FCC to use comparative hearings to decide who may receive certain classes of extremely valuable nationwide licenses in the band.

The FCC stuck with its view that these licenses should be awarded by lottery -- giving UPS, which has apparently rished millions on developing 220-222 MHz systems, the same chance as others to receive, or not receive a license.

UPS recently announced that it is converting much of its mobile communications to cellular anyway. They have contracted with four cellular carriers to create a mobile data service to trace air and ground package shipments. All 50,000 UPS delivery trucks will be outfitted with cellular equipment by early 1993 that will allow immediate tracking through UPSnet, allowing access to delivery status information for more than one million UPS daily pickup customers. (From W5YI)

Government Inquiry to Ponder Spectrum Needs

The National Telecommunications and Information Administration (NTIA has opened a broad-based inquiry into the future requirments for use of the radio frequency spectrum in the United Sates, and technology trends that would affect use of the radio spectrum.

NTIA intends to issue a report on national spectrum requirements and technologies and to use the information and analysis as a basis for more effective long range planning for national spectrum management.

Only two paragraphs were posed for the Amateur Service asking:

- What factors could either increase or reduce the spectrum requirements of the service?
- Is the current spectrum available to amateurs adequate?
- What new techniques may increase the ability of the Amateur Service to share with other radio services in certain frequency bands?

The inquiry seeks comments by October 1, 1992. (Tnx ARRL Letter)

Continued on Next Page

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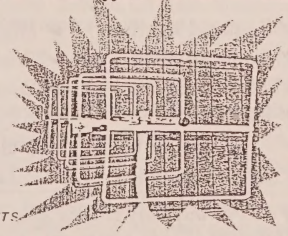

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More FCC News Happenings

Continued from Page 13

New 610 Form required For Handicap Code Credit

In a Public Notice released in June the FCC said that Effective August 1, 1992, any amateur operator license applicant seeking code credit because of a severe handicap, the duration of which will extend for more than 365 days beyond the date of the physician's certification, ***must use FCC Form 610 dated March 1992.***

The applicant must complete the patient's release on the 610 form.

Amateurs may continue to use all previous Form 610 versions for purposes other than handicap telegraphy certification.

Commercial Tower Users and Repeater Owners Fined if . . .

Commercial Radio Stations are being socked with stiff fines if their tower does not comply with lightin, painting and FAA tower light malfunction notifications rules.

Amateur repeater owners are finding out to their dismay -- the FCC is holding ***each*** licensee and user of the tower individually responsible for complying with the rules, even if the licensee does not own or control the tower, or has contracted with another person to maintain the tower.

In a Maryland case, 21 stations leasing space on one tower, were recentdly accessed a total of $168,000 in fines when faded and peeling paint and an inoperative top beacon was discovered. (Tnx W5YI)

Strange Voices On Repeater

Continued from Page 11

to see if the band is open. If it is, wait - hopefully the problem will not be around later. Later if the problem persists, get the callsign of the person, and turn it over to your REPEATER TRUSTEE. The trustee then should contact that person by phone and nicely ask him to try to eliminate the problem. Getting into an argument on the repeater will NEVER solve anything - just cause a fight.

Most of the repeaters around us have been on for years. Most were coordinated the standard 100 mile separation on co-channel with another machine. 99.5% of them have not experienced any difficulties in all these years (except during band openings of course).

So if suddenly your home repeater has strong voices on it - don't yell at your trustee, don't cry to SERA or your Director - accusing him of bad coordination - put the blame squarely where it belongs, on the shoulders of the person that is causing one-sided conversations on your repeater. Chances are, he is not paying attention. Probably a nice phone call to him will solve the problem.

The best solution to the whole problem is as we said earlier - BE AWARE of what you are doing when getting on a repeater. If you don't know what you are doing - get off until you find out!

We can be considerate if we try, so be a gentleman, watch yourself and stay clean. Who knows, you own best friend down the road may be on that other repeater - "cussing you out for causing interference to his local QSO."

-Wayne C. Williams, K4MOB, Editor

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If Your Repeater Not Listed Correctly

In Some Cases, Listings Can be Changed by the Computer Operator Others need ok from State Director.

David Ward, KA4LVO, records and computer chairman reports he is getting quite a few phone calls from repeater owners who indicate their repeater listing is wrong, or some other problem. Generally as a rule, David will make corrections to listings.

In the case of repeaters listed as NOT COORDINATED, David indicated this information is supplied by each State Director and he has no control over who is or who isn't listed as such.

"In cases of a question of NON Coordinated listings, the owner needs to contact his State Director," David said, "They are the only ones who can give authorization to make changes in this particular category of the listing."

State Directors are listed on Page one of each Repeater Journal.

As per recommendation of the Board last year, individual Coordinators (State Directors) are in the process of listing uncoordinated repeaters in the SERA Directory as such. This was to get in line with other coordinating council's listings, and the ARRL National Data Base, and the National Repeater Directory. The listing is not yet complete, but additional ones are being added each issue, until the index is correct in each state.

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And It's Still A Great Spot For A Hamfest

-by Nita Wofford, N4DON
SERA Vice President

The late Harry Simpson, W4MI wrote a story for the Journal in 1989 entitled "What a Spot For a Hamfest", in which he gave a few reasons why he thought Memphis, Tennessee was a great spot for a hamfest. Let me give you a few reasons why it still is, and why you should attend MemFest '92, the latest edition of the Great Memphis Amateur Radio and Computer Show.

Memphis is beautiful in October and a wonderful place to visit. It still has Graceland, Elvis sightings and stories of his planes, cars and studios. The Pink Palace Museum is an outstanding attraction by itself - a beautiful building which started out as a home for Clarence Saunders, owner of the first large grocery chain, Piggly Wiggly Stores. When he lost his chain and his money, Memphis inherited the estate.

The Peabody Hotel, built in 1927 as "the South's Finest and one of America's Best," was completely renovated a few years ago at a cost of several million dollars. It has scores of activities and many restaurants, but it's most prominent feature are the ducks which swim in the marble fountain, and march into and out of the lobby each day.

There are several art galleries, a Victorian Village, with homes dating back to the mid-1800's, Beale Street, Libertyland, Overton Square, and of course, river rides on the Memphis Queen. There are over 200 parks and 23 community centers. There are nature trails and nature centers, and a beautiful State Park, Shelby Forest.

Last, but certainly not least, there is the fabulous Great American Pyramid which opened May, 1991. Built on the banks of the Mighty Mississippi, it towers 321 feet above the city and the river, The arena seats over 22,000 for basketball and concerts and in the future will house the National Football Hall of Fame and Museum, Hard Rock Cafe, several other fine restaurants, and other features too numerous to mention.

MemFest '92 will be held in Memphis on October 10 and 11, 1992 at the Pipkin Building, Mid-South Fairgrounds and I am the Chairman again this year. There will be forums, VE Exams and all kinds of stuff. Come watch our continued growth.

Lightning Can Do Damage Even When You Ground

Lots of us think our ham shack is safe just because we have a good ground on our antennas and the equipment bench. Nothing could be farther from the truth.

Lightning's destructive force can destroy a complete ham shack with one hit as much as a mile away. A grounded antenna may protect the antenna system, and maybe even help the equipment bench, but not always with the unbelievable voltage evident with a strike. A grounded ham bench will help, but still cannot withstand a strong jolt from lightning.

You can NEVER be too safe as far as lightning is concerned. Extra measures, or a little extra work might save you lots of agony if you should be unfortunate enough to get a direct hit.

Some ways to further protect your ham shack:

(1) Have a breaker on your AC line that will shut down the entire shack. Better still, have everything on a buss system which plugs into a receptacle. Unplug it during a storm, and lay the plug several feet from the receptacle.

(2) Disconnect all coax cables from radios, TVs, and anything else you have running a wire outside. Lay the open ends AWAY from your equipment.

(3) If possible, NEVER let telephone cables, wires, etc. lay near speaker cables, coax cables, power cables, or interconnecting cables which are still hooked to your equipment. If possible, have a switch to cut the telephone off - away from your ham shack.

(4) If you are using coax switches and cannot disconnect cables from equipment AND incoming coax from antennas, be sure you have a ground lug properly grounded, and switch your coax switch to the ground lug.

(5) Computers in your shack should be disconnected from the AC line, and all associated pieces connected to the computer should be disconnected.

This sounds like a lot of work - we have historical stories from hams who have had their shack destroyed by a telephone line laying close to a speaker wire which was still hooked up. We've heard many stories of lightning coming in on the AC lines and obviously antenna coax systems.

The more you isolate your ham equipment from any outside line source, the better off you'll be in surviving a direct or nearby hit.

The Thunderstorm season is well underway and will continue on into September. It's not too late to take some extra precautions now - you luck may not last forever!

Director - Vice-Director Election Coming

Between now and November, members in individual states should be thinking about their Directors and Vice-Directors.

Do you know someone you feel can do a better job for your State? Has your Director & Vice-Director represented your State in a way you feel was just?

The November *Repeater Journal* will have nomination forms which will allow you as Full Members to nominate any one you might desire to carry on. A Nominating Committee will make recommendations, but you have a chance to nominate someone of your own choosing.

The SERA Repeater Journal

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Greensboro ARA Assists In Youth Soccer Tournament

-by Steve KB4BQX & Kathy KB4BQW, Flanyak

The 1992 Greensboro Youth Soccer Association tournament took place on May 16 and 17 at several fields around the cities of Greensboro and High Point, NC. The purpose of this event was to help a non-profit organization raise funds for an area Soccer Center at Bryan Park.

The two days of competition proved to be a rewarding experience for all the participants and volunteers through the years have helped make this soccer tournament much unlike any other in the country.

Teams have come from as far away as Canada, South Carolina, Georgia, Florida, Virginia, Ohio and New Jersey. The annual event of soccer competition is believed to be one of the top 5 in the country. Because of the excellent communications, the tournament can be accomplished in one weekend. The Soccer tournament weekend is a major economic draw for the Greensboro area, with thousands of participants and their families, similar to the GGO and NCAA playoffs.

Thanks to the many amateurs who participated, communications were virtually flawless. Many people sacrificed their entire weekend to help with this community service, an integral part of the GARA activities. The soccer tournament requires people to be at each site for approximately 12-14 hours and provide constant communication to soccer control. For the 12th consecutive year GARA has helped this group of youths with this two day event, which brings together 259 teams of players and families from around the United States.

Some of the key people who helped make this possible were George Blosser N4CPV at soccer control, Dave Chensney N4DFH scoring control, and Elizabeth House GYSA, who without her many weeks of prior preparation none of this would be possible. Last, but not least, Dale Kelly WD4CVM and many other people have been responsible for organizing and coordinating well in advance of this event. The Bryan Park site with 11 fields having simultaneous games was the busiest.

A very special award was given to the "*most valuable operator-MVO*" Matt Zorzin KC4YLV for outstanding performance. Matt was lucky to have an excellent team (Mike WA4ZYF, Monica KD4DMI and Gene KD4MMO - Matt's dad) to assist him with very professional sounding communications--not bad for a 13-year-old!

Many of the people who participated are new hams and had never done anything like this before. Cooperation was at an absolute high, but unfortunately not everyone who has participated in the past could participate this time. Hopefully everyone who turned out this year will attend next year with even greater success.

Our thanks to these unselfish people-

GARA - VOLUNTEERS:

George Blosser N4CPV, Roy Smith N4BYU, Mike Sandage WA4ZYF, Monica Sandage KD4DMI, Matt Zorzin KC4YLV, Gene Zorzin KD4MMO, Rufus Brown WA4LLO, Joe Leggio WB2HOL, Bert Rupert KD4BQD, Bob Bruce WD4EPO, Richard Love KD4TB, Howard Weinstein N4QXJ, Ed Taylor N4RWU, Bob Davet N4IHG, and Al Allred K4ZKQ.

Also: Randy Crum N4NIZ, Dan Kerns KD4BQU, Denny Kerns KD4ELO, David Ostwalt KD4EQW, John Cooney KF4QJ, Art Johnson N8FNX, Alan Bradley KD4IUN, Coy Hennis WD4NHL, Clarence Parker WA3TBP, Dave Chesney N4DFH, Dale Kelly WD4CVM, Kathy Flanyak KD4BQW, Steve Flanyak KD4BQX, and Harold Saint Sing KF4KA.

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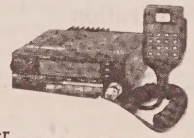

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Stories & Pictures Welcome

We are always looking for good feature stories from our readers. If you have access to a camera, shoot some pictures and write an article about your club, your repeater, or a special event you participated in.

The Journal editors are always receptive to your stories - after all, the Repeater Journal is your magazine and we want you to feel a part, and participate whenever you can.

If you have a computer, we can accept about any type word processing, or ASCII files. If not, use your typewriter. Send news! We'll use it!

4th Annual

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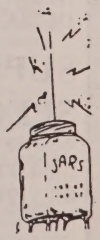

Make checks payable to JARS
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Pre-registration requests without an S.A.S.E. or after November 8 will be held at the door.

The Legend of Charlie Whiskey

Special to the Journal via ARNS

-by Travis Wise, KB8FOU

Once upon a time, in a far away Kingdom of Radio, there was a peaceful valley called Hamville, inhabited by rabbits. The patriarc of the Whiskey family was an old hare named Charlie.

Charlie Whiskey had come to Hamville Valley when it was all beautiful open meadows. He had seen its potential for farming and, over time, had developed his land into a thriving carrot plantation. He had succeeded in producing bumper crops of carrots year after year, and had become the envy of all the Kingdom of Radio.

Soon other Kingdom residents began coming to Hamville, seeking advice on carrot agriculture. Charlie always told them, "The secret is in developing a good ear. You see, Charlie had worked long and hard to develop a special skill: picking carrots by using his ears.

Charlie could harvest more than 20 carrots per minute. And all of Charlie's family learned to do the same--pick 20 carrots per minute with their ears.

Charlie was proud of the special skill he had invented and he insisted everyone who came to work in Hamville Valley learn to pick carrots with their ears. He wouldn't give new settlers any land until they could demonstrate at least 5 carrots-per-minute to his foreman, Victor Echo. When they could pick 13 carrots per minute, he gave them more land. He confered the title *Honored Citizens of Hamville* on residents who achieved a rate of 20 carrots per minute.

Rabbits in other parts of the Kingdom of Radio also began to pick carrots by ear, because the method was so efficient. But there were some noisy ducks--the Quackers, in the community of Good Buddy--who used their mouths to pick carrots. Because their mouths were large, they could pick very well this way--so they didn't bother to learn picking by ear.

The rabbits looked down upon the Quackers, saying to each other, "We must always require ear-harvesting for entry into Hamville Valley. That way, we will keep those noisy Quackers out."

So everyone who wanted to live in Hamville had to learn to pick carrots by ear. Charlie always told those who didn't learn to pick carrots by ear, "If you don't want to learn the skill, you can go to Good Buddy and live with the Quackers"--as he showed them out of town.

As the years passed, new carrot picking methods developed. Some were easier than ear-harvesting, especially for animals that didn't have big ears. And some of the new methods were just as efficient. Bye and bye, fewer young animals learned the skill of ear-harvesting. The population of Hamville dwindled and the average age of its residents increased.

Worse, neighbors coveted Hamville's beautiful farmland. Some wanted to turn it into shopping centers or other commercial uses. And pollution from the Quackers and the other rabbits and mice known as *The QRM Group* reduced crop yields in Hamville Valley. For the first time, Hamville's future looked bleak.

Then one day, a stranger named Digipeter Rabbit came to Hamville. He was educated, having received a degree in Farm Mechanics from the *School for Scientific Bunnies* (SSB). But for all his knowledge, he could not pick carrots with his ears. Well, he could have learned, but he believed in scientific methods. He thought learning old-fashioned ones was a waste of time.

Charlie Whiskey was outraged. "What do you mean you won't pick carrots with your ears? Why we have done it that way for 75 years. It's a tradition in Hamville Valley that shows we're special--different from those Quackers." he said. "If you won't pick with your ears, then you have no place in Hamville."

But Digipeter saw no reason to learn an obsolete skill and he refused even to try. Charlie Whiskey took the matter up with the *Ancient Royal Rabbit League,* which he had helped found in the early days. The ARRL decreed that everyone in Hamville must learn to pick carrots with their ears or be banished. So Digipeter Rabbit left Hamville Valley--and founded his own village, ***Techitown.***

Young animals from all over the Kingdom of Radio flocked to Techitown, where Digipeter set his own entrance requirement. Techitown applicants had to demonstrate technical knowledge, understanding, and ability. They had to demonstrate a desire to contribute to the advancement of science and of Techitown.. But they certainly did ***not*** have to show skill at picking with their ears.

Digipeter encouraged experimenting in the cultivation of new, unexplored lands. He showed Techitowners how to overcome pollution and how to make more efficient use of their land. Soon the residents of Techitown invented a farming method that allows more than one rabbit family to farm the same piece of land--simultaneously.

And while some Hamvillites picked as many as 30 carrots-per-minute, Techitown could boast 300 carrot-per-minute rates.

Soon Techitown was the richest village in the Kingdom of Radio, a fact that did not escape the notice of the ***Field Carrot Council.*** The FCC soon awarded Techitown more land--until Techitown's borders touched those of Hamville.

Hamville Valley was oblivious to the revolution in agriculture and its population continued to fall. Then the Field Carrot Council gave a small amount of Hamville land to Techitown.

The Ancient Royal Rabbit League reacted angrily and complained bitterly to the Field Carrot Council. And, for the first time, the ARRL began to show genuine concern for the plight of Hamville. Some residents even dared ask the Ancient Royal Rabbit League to change its position on ear-harvesting. They argued, "What we need is new blood, to fight off the Field Carrot Council."

Charlie Whiskey--now in his nineties--was furious. "We must maintain our standards," he said. "We don't need clever young bunnies; we need rabbits skilled in our time-honored method of harvesting. We need rabbits who are dedicated to the principals of Hamville. Any rabbit who really wants to live here can learn our ways and we don't want those who won't. You wouldn't want those Quackers to move here, would you?"

But the residents of Hamville had seen the handwriting on the wall. Though they enjoyed picking carrots with their ears, they realized the new ways were better. And they knew they could no longer afford to shun bright

Continued on 3rd Column Next Page

Special Event Station

A special event station will be on the air from the largest gold mine east of the Mississippi on September 26.

Gold certificates from the "Prince of Mines" in Gold Hill, N.C. will be awarded. For rules, details and more information, send S.A.S.E. and QSL to Walt Bastow, N4KVF, 3045 Highrock Road, Gold Hill, N.C. 28071.

Operation will commence at 1300 thru 2200 on Sept. 26th. Operating frequencies will be 28.350, 7.260 and 14.250 MHz.

ARRL License Manuals What's Valid Now?

-From ARRL Dealer Newsline

Here's a summary of which ARRL study guides are current. If a printing date is mentioned, on the book you can find it in the copyright box near the front of the book.

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Legend of Charlie Whiskey

Continued from Page 19

young bunnies who didn't want to pick with their ears.

Some rabbits led by an elderly statesman named *Elmer*--who had once served in the government of the Kingdom of Radio--asked the Ancient Royal Rabbit League to change its policy. The League agreed and issued a decree that ear harvesting skill would no longer be a requirment for residency in Hamville Valley.

When Digipeter Rabbit heard of the decree, he sent envoys to Hamville carrying the latgest scientific discoveries--to be shared freely. The Hamville rabbits seized upon this knowledge quickly and Hamville soon began to revitalize. And Hamville's population began growing again, as young rabbits were attracted to its beautiful land.

Impressed by Hamville's renaissance, The Field Carrot Council stopped taking its land away; it gave Hamville more land instead.

Though saddened as his method went out of style, Charlie Whiskey watched Hamville prosper again and was glad. And to show there were no hard feelings, he sent Digipeter a packet of 73 carrots--which he had picked himself by the old method.

Hamville's residents rejoiced and they declared a festival to celebrate their new prosperity. Over the gate of the festival grounds they put a banner that read:

"A bunny's worth is measured not by skill with ears, but by what lies between them."

CDCC Coordinating Packet In Western North Carolina

-by Wayne C. Williams, K4MOB Editor

In the May issue of the Repeater Journal, we printed a story about the Kansas Digital group complaining about MACC (repeater coordinating council) not wanting to coordinate packet. We also published a story stating that SERA was not in the Packet or Digigal Coordinating business either.

Shortly after the May issue was out, I was approached by a group who told me of the Carolina Digital Coordinating Council. Their job is that of coordinating packet. From what we can see, they have their act together, and are doing just what some of the other packet councils seem hesitant to do - coordinate their own packet and digital systems on specific frequencies which are available to the digital community for their use.

The CDCC sent us a story, and a listing of their major digital systems in the State. We are publishing this listing, mainly because we know it is accurate, and because it lists only main systems for relaying packet messages, which is as it should be.

The CDCC has also agreed to supply the Repeater Journal with a news column each issue, and keep their listing accurate and up-to-date.

The group said they are working with Bill Toomer, WA2GYM, head of the S.C. Amateur Radio Digital Society, (SCARDS). They are also working with a large Georgia digital group, and an Eastern North Carolina group..

Their plan is to set up an umbrella of coordination for Digital systems. Future hopes would be to tie continuity with Georgia, Virginia, North Carolina and South Carolina and any other states who want to work to get Digital coordinated in a coordinated manner, where all areas will know how, and where to get their systems set up.

Some of the results of their coordination show - in the beginning about 20 messages were being passed a day, in a mess of congestion, where everyone had trouble communicating.

Today they are passing an average of 175 messages a day, with the end user never seeing them being passed, and utilizing only 25% of the backbone capability. The 2-Meter LAN frequencies are much quieter now, and easily handle off user traffic.

This they said was a result of their coordination efforts.

If your Digital Group would like to have information added to the CDCC column each issue, you may contact them by writing. Send your items to **Carolina Digital Coordinating Council, P.O. Box 8252, Greensboro, N.C. 27419.** They prefer ASCII files on floppy disk, or typewritten hard copy.

More information about CDCC is available by writing to the same address.

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See Pages 8-9

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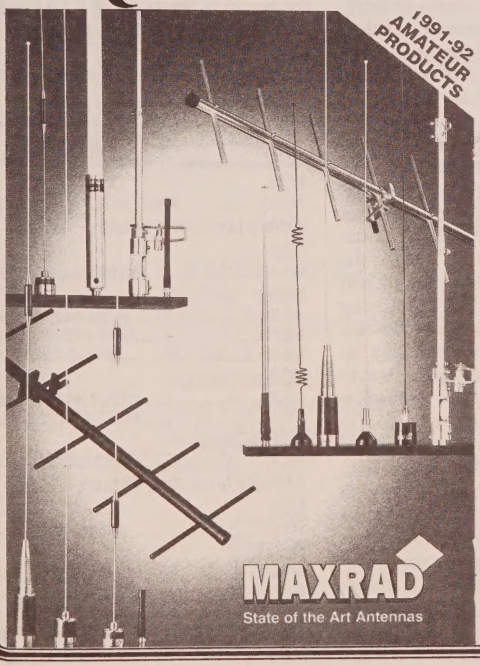

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Carolina Digital Coordination Council Formed

-by Charles Layno, WB4WOR

In Early 1991, Bulletin Board Operators and Digipeater operators in Western North Carolina met in Hickory to discuss the state of the packet digital network in Western North Carolina. Attending this first meeting were representatives from Greensboro, Winston-Salem, Hickory, Gastonia, Charlotte, Asheville, Concord, and Wilkesboro.

It was decided at this initial meeting that some type of organization should be formed to help coordinate the growing packet network in Western North Carolina.

In the past, there were 2 other attempts to form a statewide packet radio group, but due to the size of North Carolina, participation on a state level was never enough to sustain an organization. It was initially decided the group would start out by forming just in the western part of the state. If others outside of the area wished to join, they would be welcomed, and if the new outside area wished to be covered under the groups umbrella, they would be included.

It was decided early on that there was a need for a direction for the packet network. Coordination was also thought to be a step to help acheive this end by advising digipeater operators frequencies that were available in their area that would best serve their needs.

After this preliminary goal had been set, a name was chosen to represent the ideas of the new group. After a few weeks of different names being bantered about, Carolina Digital Coordinating Council was selected.

The CDCC would represent all digital interests and help coordinate an orderly development of the packet network in North Carolina. This would be done by looking at the available frequencies for digital use, and those frequencies that were not in the digital allocation, but were being used for digital communications, and come up with a plan that would allow the average packet ham to use the network as a whole, and allow the timely dissemination of bulletin board traffic through out the network without adversely affecting the end user, and to integrate new technology into the network, while working with other digital and voice coordinating groups.

After the board of directors had been elected, the first task assigned by President Jim Morris, KD4OM, was to name a Frequency Coordinator and to begin assembling a data base of digipeaters and bulletin boards in the CDCC area that encompasses a line of counties that highway US 220 runs through, west, in the remaining area of North Carolina. The second order of business was to begin to develop a plan for the network. At the time, 145.01, .03, .05, and .07 on 2 meters, which were overcrowded, along with a 220 and 440 backbone frequency were in use. Different networking schemes were investigated. It was decided that the 2 meter frequencies would be used for LANs or local area use on different frequencies and all the LANs would be linked together through 220 and 440 backbone trunks. Bulletin boards would have at least 2 ports. One port for local users on the LAN frequency, and one port lashed into the backbone trunk frequency for passing private and bulletin messages. This would allevate the BBS traffic from the 2 meter frequencies and allow end users to keyboard to other users or to check messages on their local BBS system. Traffic on the backbone trunk would be only digipeater to digipeater, with no end users allowed access direct access on the link frequency.

The LAN digipeaters would be setup to allow end users to connect and then ask for a connection to another LAN frequency across the network, transparently, through the backbone link. To accomplish this, it was decided that the German networking software, TheNET would be used. The digipeating software would be setup so that the digipeaters listed on the local machine would show an accurate account of the current network status, using the "Route Security" method as outlined by Mark Marston, KA1NNN. By doing this, it would not be necessary for the end user to ask for a connection to EVERY digipeater in the path, but to ask for a connection to the destination digipeater, and allow the network to pick the shortest and best route to the destination digieater. After a short time of getting all digipeater operators up to speed, Route Security was implemented. When Route Security was implemented correctly, unnecessary digipeater traffic dropped to almost nothing and for the first time, under any and all band conditions, traffic, whether keyboard or BBS flowed without interrpution through the network.

CDCC then began to investigate other packet technologies, including faster modems for link frequencies and expanding the current network. CDCC also provides help for new digipeater operators and bulletin board operators to install their packet systems.

CDCC keeps within the system, the latest network software and bulletin board software and actively does research on new software products for packet users.

If you would like more information on the Carolina Digital Coordinating Council, you can send packet mail to:

Jim Morris:
KD4OM @ WA4MDW.#HKY.NC.USA.NA
Frank Kalish
N4UFF @ N4UFF.#INT.NC.USA.NA
Charles Layno:
WB4WOR @ WB4WOR.#GSO.NC.USA.NA
or write to:
Carolina Digital Coordinating Council
PO Box 8252,
Greensboro, NC 27419.

Carolina Digital Coordinating Council Packet System

Greensboro Local Area Network - 145.01

BBS
145.01 ..... GSOBBS WB4WOR-4 Greensboro

Nodes
145.01 ..... WB4WOR-5:NCGSO Greensboro

NOS
145.03 ..... WB4WOR-3 [44.75.1.1] Greensboro

Winston-Salem Local Area Network-145.07

BBS
145.07 ..... INTBBS N4UFF-0 Winston-Salem

Nodes
145.07 ..... INT07:N4UFF-7 Winston-Salem
145.07 ..... YAD07:N4VRD-7 Yadkinville
145.07 ..... SAL07:W4HG-7 Salisbury

NOS
145.03 ..... W4NC [44.75.3.1] Winston-Salem

Hickory Local Area Network - 145.61

BBS
145.61 ..... HKYBBS WA4MDW Hickory

Nodes
145.61 ..... HKY:WA4MDW-1 Hickory
145.01 ..... NCHKY:KD4OM-1 Hickory
145.61 ..... MRN:KB4UNZ-5 Marion

NOS
145.03 ..... AL7FL-2 [44.75.5.1] Hickory
145.03 ..... K4OLC-2 [44.75.5.3] Lenoir

Packet Cluster
144.93 ..... HKYDX:KD4OM-2 Hickory

Asheville Local Area Network - 145.63

BBS
145.63 ..... AVLBBS N9BE Asheville

Nodes
145.63 ..... AVL63:W4MOE-2 Asheville
145.01 ..... NCAVL:W4MOE-1 Asheville
145.01 ..... BRA:WA4KNI-1 Hendersonville
145.63 ..... SFRE07:W4EHV-7 Sapphire

Continued on Page 44

1992 Madison Hamfest

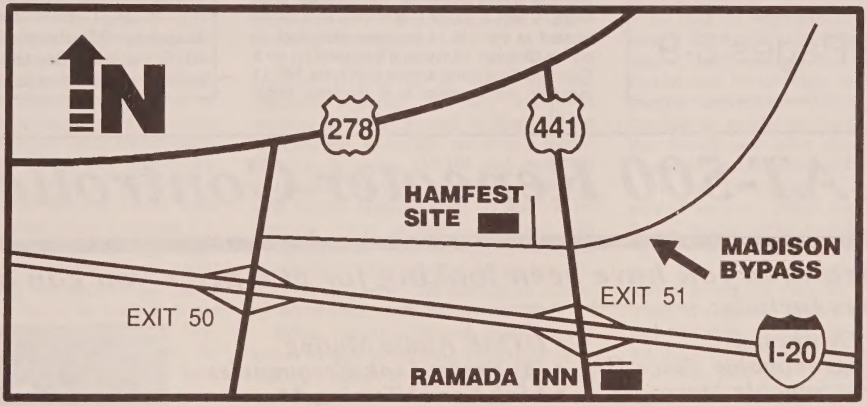
Lion's Club Fairgrounds
Madison, Georgia
Sponsored by Confederate Signal Corps, Inc. **(W4VTA)**

Saturday. August 22, 1992, 9:00 a.m. to 5:00 p.m.
Sunday, August 23, 1992, 9:00 a.m. to 2:00 p.m.
Talk-In 146.865 MHz

Free parking at Hamfest site
All Admission $5.00 (includes 6 prize tickets)
Admission Includes Fleamarket Tailgaters
Setup allowed after 6pm on Friday
6-9am on Saturday
Awards drawing 2:00 p.m. Sunday
Major Prizes: IC-725 , IC-229H, IC-24AT
Prizes Courtesy of F & M Electronics

VE exams Saturday 9:00 a.m.
Walk-Ins bring original license and copy.
Hot dogs, hamburgers, cold drinks and coffee on site.
Special Rates at Local Hotels
Ramada Inn - $34 plus tax - Ph. (404) 342-2121
Travelodge - $28.50 incl tax - Ph. (404) 342-7800
R.V. Parking available for licensed Amateurs.

SPECIAL SUNDAY ATTENDANCE PRIZE DRAWING AT 1:00PM
WINNER MUST BE PRESENT TO WIN IC-R1.



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Alabama Radio
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W.W. Sales
Ron Moody
Phil Greenway

For more information, contact:

Paul Paschal, N4LGF
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Madison, GA 30650
(404) 342-0522 (days)
(404) 557-2448 (evenings)

David C. Messex, N4AQV
5667 Raintree Trace
Oakwood, GA 30566
(404) 967-2466

SOUTH CAROLINA NEWS

-by Gary, WD8OXE & Donna, KB4TUY Foster

Send news and correspondance to: 670 Foster Road, Inman, SC 29349

The Greenville Hamfest held at the Anderson Fair Grounds was a great success with approxiametly 3000 attending. The dealer and flea market area was a sell out. The outside tail gate area had 3 acres of sellers. Many took rides with Terry, W9DIA on the AES airplane "Starship". The weather was great and everyone had an excellent time. Sue, N4ENX says the Hamfest will be held at the same time and place next year.

*****

ALINCO ELECTRONICS INC.

DEALS

WILLIAMS RADIO

Has Them!

See Pages 8-9

We would like to send a get well wish to Dot, K4AOH and to N4FMF, D.C. who we hope to hear back on the air soon. Also D.C.'s XYL, who is not a Ham deserves praise and many thanks for her P.R. work and many phone calls.

*****

Our ARRL S.M. Ned, N4FVU reports that 145.43 in Columbia has been linked to 220 - 440. Ned also says that the 146.88 is providing good coverage to areas outside of Columbia.

*****

PACKET NEWS ITEM: N4FVU Reports; Columbia on 145.03 CAE on 145.05 with the following BBS on 145.05. KC4GYM, N4QWL, WA2GYM. Work continues on the 223.43 backbone for statewide forwarding. The 96 WV4B node is going on line on a cellular phone tower.

*****

New Myrtle Beach Repeater: The Grand Strand Amateur Radio Club's new 440 repeater is now on the air. The repeater is on 449.675 with a p.l. of 203.5. The repeater is located at the 145.11 repeater site which is on the Channel 43 tower, it's operataing on a Diamond Dual band antenna with the 145.11 repeater. the repeater is a motorola micor with a micro computer concepts controller. Coverage is approxiametly 25 miles mobile and is working great. Future plans call for this 440 machine to be slaved together with the 145.11. Jack, KI4CB states Myrtle Beach and Charleston are still working on a link in the Georgetown area.

*****

The Grand Strand Amateur Radio Club participated in the Field Day contest and placed 3,000 calls. 1,000 contacts were made by Web Williams, KD4CQK. About 60 people participated in the event. The local newspaper had a great write-up and picture showing Bob Garliardi, N4XML and Dick Phillips, N4WEI at the controls. President of the club Ed Cooke, K4IQM, gave the reporter some great insight on what Amateur Radio is all about. Good Going Guys!!

*****

The Florence ARC is working on a backup repeater system for 146.85 repeater. The repeater should be ready for stand-by as you read this. The Florence Club has a net on the 146.85 repeater on monday nights at 9:00pm and Donnie, KB4KDG net control welcomes anyone in the area to check in.

Are You A New Reader!

If you are reading the Repeater Journal for the First time, we invite you to join our organization and get the Journal free every quarter. Associate Membership costs only $6.00 per year. See the handy membership application in this issue.

CAT-500 Repeater Controller

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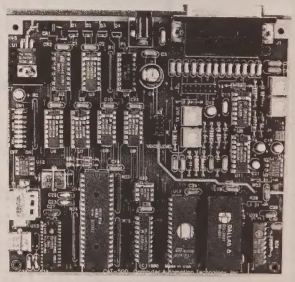
- *(6) Programable Messages*
- *Digital Voice Clock*
- *Grandfather Clock*
- *(64) Control Functions*
- *(60) Position Scheduler*
- *(8) Macros*
- *DTMF Pad Test*
- *DTMF Repeater Access*
- *DTMF Window*
- *DTMF Audio Muting*
- *(8) Preset Link Frequencies*
- *Link Serial Tuning ***
- *Courtesy Beeps*
- *CTCSS Receiver Input*
- *Autopatch **
- *(70) Speed Dial Numbers **
- *Phone Number Lockout **
- *Reverse Autopatch **
- *DVR Control ***



** (Requires T-500 Telephone Interface Card)* *** (Requires MF-500 Serial Intreface Card)*

Configure the CAT-500 to suite your particular needs. It is as simple as setting a dip-swith. In addition to controlling your repeater, the CAT-500 auxilary input will support anyone of the following: a second repeater, control receiver, serial tuned link transceiver, autopatch or DVR. The choice is yours.

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Entered Thru Other Door

Continued from Page 7

years before. To date, David has posted perfect attendance, and has even transmitted the broadcast from a mobile in motion! The night that happened, he cancelled code practice via an announcement on the Middle East Tennessee Emergency Net. He even built a phone pickup unit from scratch and modified a tape player to pause while the repeater identifies. NEAT! Both Jean and I are quite comfortable that the project is in good hands. That's the strength of a good Amateur Radio club, there is always someone who not only can and will replace any position, they just might improve on the present performance. Such is the advantages of "new blood."

One problem in the VE program, at least locally, was keeping a supply of code tests that had not been heard by an applicant at a given session. In learning to make acceptable tapes (there is more to that task than meets the casual eye) he broadcast some code through a mountain-top two meter repeater, 147.195 owned by Ron Russell KA4AZQ.

A person serious about upgrading asked for more "code practice". David responded by regularly broadcasting just that on Tuesday and Thursday nights, and has several upgrades ranging all the way from KA4AZQ to Frank Ambrister N4OQJ, President of the Radio Amateur Club of Knoxville, Inc. to residents several counties away who give him full credit for providing the mechanics by which they raised their proficiency to the point of productivity. David uses a totally different format from any I have even heard about. I suppose it is of his own origination. The same QSO-type text will be sent at several speeds which starts at 25 WPM and decreasingly slows down to 7 WPM before he reads it. It has not been determined how much, if any, coaching Tammy supplies right here. Be that as it may, that text has even been alleged to talk about known personalities, although that allegation has never been proven. Such suspicions do occasionally add to the interest of the session! He then transmits a short "tongue twister" sentence in the same manner, strictly for the sport of it.

Included among those the practice sessions have helped is Larry White, N4ROQ, who screwed up and passed 20 WPM when he was only serious about 13 WPM! That sent him back to the books and Larry is now an Extra Class himself, having completed the qualifications on April 11, 1992. That was again the Oak Ridge Hamfest. This time David was in harness as a fully functioning VE. We had originally thought Rich Slover ND4F and I would be out of town that weekend, and we had trained David to handle the flow of paperwork for the examiners in our absence. We ended up not being absent, and Rich took the day off out of the exam room. We had been looking for such an alternate for some time.

RACK members work as a team. Today, work needs to be done at the repeater site. Members and their families wait for the rest to arrive by jeep before starting on the final leg of the journey up the mountain on all-terrain vehicles. Members identified are: Ron Russell, KA4AZQ, Doug Estep, N4UAG, Don Hatcher, KD4AGX, Sherry Russell, KC4FGE, Sherri Hatcher, KD4CKZ, and David Waters, AC4JF. Several of the excited kids are also ready for the ride up the mountain. (Photos supplied by RACK)

Other "AC4JF code practice" graduates are too numerous to mention here, and I'm sure they are not all even identified. East Tennessee's repeaters have surprising range. Rich and I came on I-81 at I-181 coming back from a meeting of the radio club in Johnson City one Tuesday night. The scanner in the little Alinco two meter radio under the dash, in total darkness because of a burned out pilot lamp, stopped on AC4JF code practice.

A few miles down the road and the repeater ID told us he was using the alternate repeater, RACK's autopatch machine on 145.21 located on Sharps Ridge in downtown Knoxville, not even a mountain top. It seems 147.195 had problems that night. We were reading the code, at least on the hilltops, some 92 road miles from a "low profile" machine! His "tongue twister" text that night, running on W4BBB/R? "The big bad bunny beat the baby bunny badly" Try that on for size at 25 WPM when you're driving at night!

Some, I'm sure, listened, practiced, and tested without mentioning the weekly drills while in earshot of one of us, or may well have tested with other teams without our ever knowing. One thing that surprised me was that many of those he helped were the newcomers to Amateur Radio who didn't have capability of getting on the air, or even listening to W1AW or other code on HF. I can't imagine anything any more boring than listening to CW tapes just to build speed on morse code. David actually filled a void I had not previously recognized as existing!

He took the responsibility of scheduling forums for RACK's 26 th annual Hamfest June 6, 1992, missing few, if any, of the regular first Friday night meetings of the hamfest committee. Others who didn't function as rapidly as David had thought they should have often caused the remark "I should have done that myself."

He and Tammy are to be expected at most of the club's Public Service Activities. RACK is very active in this area, with an "event" scheduled virtually every weekend. The club functioned on 27 Public service events last year, not counting drills. There is a certain "click" in the membership that does most of these affairs. They are the volunteers (club members or otherwise) that Activities Chairman Steve Holbert, KB4FZK can talk into helping. Do

Continued on Page 47

RACK turnout is equally as good as club members get rounded up for an "event". The Knoxville, Tn. club is very active in community involvement and public service. They own their own repeaters, and sponsor the annual Knoxville Hamfest.

41st ANNUAL Rock Hill Hamfest and Computer Fair

Saturday October 3rd, 1992
Hours 7:00 am - 5:00 pm

Charlotte Knights Baseball Stadium
Just South of Charlotte, NC on I-77

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SREET ADDRESS _____

CITY AND STATE _____

No of Tickets _____
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Amount Enclosed _____

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ROCK HILL , SC 29730

THE SERA OFFICIAL REPEATER INDEX

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Repeater owners are reminded to contact their local Frequency Coordinator (Director) for assistance in coordination, changes in their listings, or any other requirements.

SERA SIMPLEX FREQUENCIES

6 meters:	52.49	52.51	52.525				
2 meters:	146.40*	146.415*	146.43*	146.445*	146.46*	146.475	146.49*
	146.505*	146.52	146.535	146.55	146.565	146.58	146.595
	147.51	147.525	147.54	147.555	147.57	147.585	
220 MHz:	223.44	223.46	223.48	223.50	223.52	223.54	223.56
	223.60	223.62	223.64	223.66	223.68	223.70	223.72
	223.74	223.76	223.78	223.80	223.82	223.84	223.86
	223.88	223.90					

* Permitted unless operation would cause interference to repeater inputs

10 Meter:	29.60						
440 MHz:	445.825	445.85	445.875	445.90	445.925	445.95	445.975
(not all listed)	446.00	446.025	446.05	446.075	446.10	446.125	446.15
SERA Suggested Digital Simplex:	145.01	145.03	145.05	145.07	145.09		
	145.61	145.63	145.65	145.67	145.69	223.40	223.42
	223.58	223.66	223.70	223.72	223.74	223.76	223.78

NOTE: Digital operators are reminded to check with local Digital Societies for which digital channels are available for various digital usage, in their particular area. Some channels are for exclusive use of LAN or BBS, etc. usage.

DISTRIBUTION OF REPEATERS BY FREQUENCY

This by-frequency index contains repeaters in the States of Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee, Virginia and West Virginia.

PLEASE NOTE: The letters column between the frequency and the city indicates suffixes of the repeater callsign.

This index is correct as of July 21, 1992.

10 METERS

9.60 /9.60	CTF	NEWPORT NEWS	VA
9.52 /9.62	WRE	POPLARVILLE	MS
	XE	WILKESBORO	NC
	ZJM	MEMPHIS	TN
	OTX	BECKLEY/BOLT	WV
	L	BERKELEY SPRINGS	WV
9.54 /9.64	NEQ	ATL/MARIETTA	GA
	IDA	WILSON	NC
	NKM	GREENEVILLE	TN
	W	JACKSON	TN
	BZU	NASHVILLE	TN
	BON	ROANOKE/POOR MT	VA
	CQV	CHARLESTON	WV
	QC	PARSONS	WV
9.56 /9.66	BEC	BALD CREEK	NC
	GRW	NEWPORT	NC
	YGM	UNION CITY	TN
9.58 /9.68	MM	ALBANY	GA
	BZJ	DALTON	GA
	DRL	MEM/FISHERVILLE	TN
	E	ONEIDA PK/BLFLD	VA
	DN	STERLING	VA
8.25 /EACON	MW	MEMPHIS	TN
9.60 /T.BS	ABW	RKY RDG/WALLACE	SC

6 METERS

3.025/2.025	LBR	LOUISVILLE	KY
2.58 /2.48	DCS	CENTERVILLE	VA
2.525/2.525	AZA	THOMASVILLE	NC
2.62 /2.82	KHP	HERNDON	VA
2.01 /3.01	GRW	NEWPORT	NC
	LRD	CHATTANOOGA	TN
	NKM	GREENEVILLE	TN
	KOG	MEMPHIS	TN
	ZR	LEXNGTN/ROCK MT	VA
2.03 /3.03	EDU	AUGUSTA	GA
	BEC	BALD CREEK	NC
	PEN	RALEIGH	NC
2.05 /3.05	UPC	PINE LOG MT	GA
	PXV	GRANDFATHER MTN	NC
	DKL	BOLT/BOLT MT	WV
2.07 /3.07	AEG	CARTERSVILLE	GA
	MIC	GUM SPRINGS	VA
2.09 /3.09	NEQ	ATL/MARIETTA	GA
	PLA	MARS HILL	NC
	BON	ROANOKE/POOR MT	VA
2.13 /3.13	BZJ	DALTON	GA
	CCF	ALEXANDRIA	VA
	QT	DANVILLE(DCC)	VA
2.15 /3.15	IOB	KNXVL/ENG MT	TN
	DBB	BEDFORD/THAX MT	VA
2.19 /3.19	UCE	COOKEVILLE	TN
2.21 /3.21	QLX	SAURATOWN MT	NC
	WWB	GATE CITY	VA
2.23 /3.23	ZKL	GUTHRIE	KY
	ZKL	GUTHRIE (TN/KY)	TN
	LP	MORRISTOWN	TN
2.25 /3.25	RZF	RALEIGH/BUTNER	NC
	YON	KNOXVILLE	TN
	DBB	ROANOKE	VA
2.27 /3.27	DRL	MEM/FISHERVILLE	TN
2.29 /3.29	PN	PINE LOG MT.	GA
2.35 /3.35	GBI	KNOXVILLE	TN
2.41 /3.41	YXY	PICKENS	SC
2.43 /3.43	FAX	RICHMOND	VA
2.45 /3.45	KWP	GALLATIN	TN
2.55 /3.55	JEH	CONYERS	GA
	RDK	MEMPHIS	TN
2.59 /3.59	YTU	ROCKY MOUNT	NC
2.03 /3.63	JKA	#ST ALBAN/COAL M	WV
2.67 /3.67	WRS	STATESVILLE	NC
2.81 /3.81	KNE	STANTON	KY
2.89 /3.89	Y	VALDOSTA	GA
0.07 /EACON	MW	MEMPHIS	TN
2.525/5.21	ARK	NASHVILLE	TN
2.05 /4.06	MB	ARLINGTON	VA

2 METERS

4.990/9.820	L	BERKELEY SPRINGS	WV
4.81 /2.525	ARK	NASHVILLE	TN
4.51 /5.11	TUN	AUGUSTA	GA
	MXC	COCHRAN	GA
	UOX	DOUGLASVILLE	GA
	HYE	MENDENHALL	MS
	TOH	COLUMBIA	NC
	RXG	SAURATOWN MT	NC
	JMT	CONWAY	SC
	Y	COOKEVILLE	TN
	SBX	GRAY	TN
	BOX	JACKSON	TN
	IJL	KNOXVILLE	TN
	ARK	NASHVLE/FAIRVIEW	TN
	YPE	RICHMOND	VA
	MCR	SALT ROCK	WV
4.53 /5.13	JF	ADEL	GA
	SEX	NEWNAN	GA
	VF	MOREHEAD	KY
	YNF	AHOSKIE	NC
	CS	GREENWOOD/HODGES	SC
	KIV	SUMTER	SC
	CMY	CHATTANOOGA	TN
	SSB	GALLATIN	TN
	OAK	LAFOLLETTE	TN
	VL	GALAX/LKOUT MT	VA
	YET	HARRISONBURG	VA
	FHE	BUCKHANNON	WV
4.55 /5.15	MM	ALBANY	GA
	AQL	ATLANTA	GA
	LI	MILLEDGEVILLE	GA
	TLK	MONTICELLO	KY
	IWZ	PIKEVILLE	KY
	LFP	PICAYUNE	MS
	CVM	RANDLEMAN/GBO	NC
	OXE	INMAN	SC
	LWY	SUMMERTON	SC
	RJC	DECATUR-PONE KB	TN
	JXI	MEMPHIS	TN
	MJF	ALEXANDRIA	VA
	ARO	PETERSBURG	VA
	FSE	MARTINSBURG	WV
4.57 /5.17	JBF	COOLIDGE	GA
	DIW	JONESBORO	GA
	PRH	HALLS GAP	KY
	ZQB	NEWTON/ANDSN MT	NC
	RVS	OXFORD	NC
	TUN	AIKEN	SC
	GBI	KNOXVILLE	TN
	BRN	MEMPHIS	TN
	LHO	MURFREESBORO	TN
	ZN	LORTON	VA
	JOQ	LORTON	VA
	ZUA	NORFOLK	VA
	FRV	BECKLEY/BOLT	WV
4.59 /5.19	ULJ	PINE MT/HAMILTON	GA
	UVT	BOONEVILLE	MS
	WGA	JACKSONVILLE	NC
	BVW	MT MITCHELL	NC
	OTT	CARTHAGE	TN
	XX	JASPER	TN
	FAX	RICHMOND	VA
	YJJ	RICHWOOD	WV
	JGY	WHEELING	WV
4.61 /5.21	KEC	EASTMAN	GA
	PSZ	FAYETTEVILLE	GA
	U	DEANE	KY
	BOP	ERLANGER	KY
	WRE	POPLARVILLE	MS
	TQD	TRENTON	NC
	NEP	GASTON	SC
	92	KNOXVILLE	TN
	ARK	NASHVILLE	TN
	MS	KILMARNOCK	VA
	QOJ	ROANOKE/POOR MT	VA
	FEQ	HUNTINGTON	WV
4.63 /5.23	JEH	CONYERS	GA
	UJ	DALTON	GA
	COL	WAYNESBORO	GA
	PRH	LOUISVILLE	KY
	PRH	OXFORD/LOUISVLLE	KY
	VBH	BEULAVILLE	NC
	BFB	CHARLOTTE	NC
	RA	LAVERNE	TN
	KIE	MAYNARDVILLE	TN
	DBB	BEDFD/APL ORCH	VA
	MT	NEWPORT NEWS	VA
4.65 /5.25	BLQ	CLAYTON	GA
	GGD	GREENSBORO	NC
	UIV	CHARLESTON	SC
	BRV	ERWIN	TN
	DRL	FISHERVILLE	TN
	MMI	RAMER	TN
	CZJ	BEAVERDAM	VA
4.67 /5.27	CGV	SANDERSVILLE	GA
	PN	WALESKA/PNLGMT	GA
	NBG	WALLS	MS
	DZJ	WIGGINS	MS
	KNI	HENDSVL/BERWLW M	NC
	AR	MIDWAY	NC
	BQF	RALEIGH	NC
	GYM	COLUMBIA	SC
	WZK	HENDERSONVILLE	TN
	CJX	SEV/SHIELDS MT	TN
	SKE	MARION	VA
	J	STAFFORD	VA
	FMD	CRAIGSVILLE	WV
4.69 /5.29	DRQ	ATLANTA	GA
	PL	LAWRENCEBURG	KY
	L	VICKSBURG	MS
	BFB	CHARLOTTE	NC
	GGD	GREENSBORO	NC
	VCM	CHATTANOOGA	TN
	SQC	JOHNSON CITY	TN
	FFM	RIDGETOP	TN
	YLX	CHARLOTTESVILLE	VA
	NDH	CHESAPEAKE	VA
	ZXP	GLENVILLE	WV
4.71 /5.31	CEK	COLUMBUS	GA
	JDR	STOCKBRIDGE	GA
	GOJ	CHATAWA	MS
	WPM	BAKERSVILLE	NC
	ICX	LEXINGTON	NC
	GY	BEAUFORT	SC
	PF	ROCK HILL	SC
	PNI	ATHENS	TN
	SC	JACKSON	TN
	ECD	LAFAYETTE	TN
	FXP	HERNDON	VA
	G	BECKLEY/LAYLAND	WV
4.73 /5.33	OGE	JONESBORO	GA
	YUU	LEXINGTON	KY
	CYR	GULFPORT	MS
	J	MT. AIRY	NC
	DFP	BAMBERG	SC
	DBJ	CUMBERLAND CITY	TN
	TEM	KNOXVILLE	TN
	DRL	MEM/FISHERVILLE	TN
	F	CHESAPEAKE	VA
	QQI	FARMVILLE	VA
	QC	PARSONS	WV
	M	WILLIAMSON	WV
4.75 /5.35	DOC	ATLANTA	GA
	DOC	ATLANTA	GA
	FGQ	ROSSVILLE	GA
	RBL	#LA GRANGE	KY
	WMH	OLIVE BRANCH	MS
	AOS	CHARLOTTE	NC
	JPQ	GREENVILLE	NC
	Y	HUMBOLDT	TN
	AZJ	BLAND	VA
	AQD	FALLS CHURCH	VA
4.77 /5.37	UA	AUGUSTA	GA
	IZF	JASPER	GA
	NNX	HATTIESBURG	MS
	PYQ	SOUTHAVEN	MS
	AGN	N. WILKESBORO	NC
	MII	OXFORD	NC
	PPD	SHALLOTTE	NC
	GRC	KNOXVILLE	TN
	OG	NASHVILLE	TN
	UKJ	FOREST	VA
	TOG	GLOUCESTER	VA
	VS	BECKLEY/EOC	WV
4.79 /5.39	HYB	GRIFFIN	GA
	NJ	MONROE/UCARS	NC
	NXU	BOWMAN	SC
	AM	CHATTANOOGA	TN
	GZX	EASTVIEW	TN
	EPC	GREENEVILLE	TN
	DOR	LEBANON	TN
	ARO	ROANOKE/POOR MTN	VA
	EOM	WESTON	WV
4.81 /5.41	PME	ATLANTA/BELL	GA
	PXX	BRNSWK/JEKYLL IS	GA
	NON	COVINGTON	KY
	DC	GLASGOW	KY
	IF	D'IBERVILLE	MS
	XO	HIGH POINT	NC
	KNU	WILLIAMSTON	NC
	VIH	DOVER	TN
	NKM	GREENEVILLE	TN
	VIP	MEMPHIS	TN
	SSB	MONTEAGLE	TN
	ZMS	BEDFD-APL ORCH	VA
	QIJ	WILLIAMSBURG	VA
	FHE	BUCKHANNON	WV
	HYX	LIBERTY	WV
4.83 /5.43	OLL	MACON	GA
	LCI	MARIETTA	GA
	LVU	COLUMBUS	MS
	ITL	SPARTA/GREEN MT	NC
	LB	COLUMBIA	SC
	YTU	BROWNSVILLE	TN
	UCE	COOKEVILLE	TN
	IUA	KNOXVILLE	TN
	SQT	RICHMOND	VA
	L	CHARLESTON	WV
	LG	MORGANTOWN	WV
4.85 /5.45	BOC	DECATUR	GA
	TX	LEXINGTON	KY
	PLY	CROWDERS MT/GAST	NC

WTX DURHAM ..... NC
GRW NEWPORT ..... NC
DV N. AUGUSTA ..... SC
SIR BENTON ..... TN
KOG COVINGTON ..... TN
KO HOHENWALD ..... TN
LP MORRISTOWN ..... TN
E SPRING HILL ..... TN
HQ SALUDA ..... VA
LGY GRANTSVILLE ..... WV
SXZ WELCH ..... WV
4.87 /5.47 UV HINESVILLE ..... GA
CLA SWEAT MT/MARIETT .. GA
SRT BARDSTOWN ..... KY
WMM MAYSVILLE ..... KY
OIX KINSTON ..... NC
NC SAURATOWN MT ..... NC
RG GAFFNEY ..... SC
DDK MYRTLE BEACH ..... SC
GBI KNOXVILLE ..... TN
OMO MOUNTAIN CITY ..... TN
ARK NASHVILLE ..... TN
EFJ ARLINGTON ..... VA
FG #KINGSTON/LICK K ..... WV
4.89 /5.49 DV AUGUSTA ..... GA
RWS CORDELE ..... GA
QPL MARIETTA ..... GA
PXK CLARKSON ..... KY
KVK HENDERSON ..... KY
CWF NICHOLASVILLE ..... KY
VGK FULTON ..... MS
ZCZ FRANKLIN ..... NC
DZ GIBSONVILLE ..... NC
BWC RALEIGH ..... NC
ABW RKY RDG/WALLACE .... SC
KKO MCMINVL/SHT MT ..... TN
KOG MEMPHIS ..... TN
MOP BLUEFIELD ..... VA
OHX NEWPORT NEWS ..... VA
MOP BLUEFIELD ..... WV
G PARKERSBURG ..... WV
4.65 /5.865 YYD #ELLIJAY-BUCK MT ..... GA
6.265/5.865 KP TRENTON ..... TN
6.01 /6.61 CVY COLUMBUS ..... GA
JEH CONYERS ..... GA
BDP WARNER ROBINS ..... GA
KWV CORBIN ..... KY
KKG LAUREL ..... MS
SNI GREENSBORO ..... NC
JMS NEW BERN ..... NC
NYK GRNVLE/CSRS HD ..... SC
CMY CHATTANOOGA ..... TN
PCD NASHVILLE ..... TN
LSP ABINGDN/BRMLY MT .. VA
GSP CHESAPEAKE ..... VA
WWQ LYNCHBURG ..... VA
MZI GASSAWAY ..... WV
6.025/6.625 UPE ATL/UNION CITY ..... GA
UJT ELBERTON ..... GA
JWP VIDALIA ..... GA
WO PORT GIBSON ..... MS
RR LAURINBURG ..... NC
IP CHESTER ..... SC
GBI KNOXVILLE ..... TN
ZQX MARTIN ..... TN
AVW NEW MARKET ..... VA
G FLAT TOP/WINTRPL ..... WV
6.035/6.635 YCU BETSY LAYNE ..... KY
6.04 /6.64 QGR ATLANTA ..... GA
LWT AUGUSTA ..... GA
FWD CARROLLTON ..... GA
CEX WAYCROSS ..... GA
UXJ CAMPBELLSVILLE ..... KY
PS JACKSON ..... MS
NAY MOOREVILLE ..... NC
YAO HENDERSONVILLE ..... NC
DW RALEIGH ..... NC
NC WINSTON-SALEM ..... NC
KIV SUMTER ..... SC
QYI CRAB ORCHARD ..... TN
NNE MEMPHIS ..... TN
NTM NASHVILLE W ..... TN
WIC FINCASTLE ..... VA
QLF MARION ..... VA
QEY RICHMOND ..... VA
EZR HUNTINGTON/CHAS ... WV
6.055/6.655 NFP ATLANTA/MARIETTA ... GA
MNI BOWLING GREEN ..... KY
CEB CONCORD/KANNAP ... NC
VTX ELIZABETH CITY ..... NC
VIR BROWNSVILLE ..... TN
AM CHATT/SIGNAL MT ..... TN
PDP ALEXANDRIA ..... VA
ISI ALTAVISTA ..... VA
BUC UPPER TRACT ..... WV
6.06 /6.66 BKM MACON ..... GA
6.07 /6.67 NSO GAINESVILLE ..... GA
EQL JESUP ..... GA
VHF HAZARD ..... KY
KBL PRINCETON ..... KY
CAX NEW ALBANY ..... MS
YGD BURLINGTON ..... NC
BKU CHERRY MT ..... NC
RPC YAUPON BEACH ..... NC
U ST. MATTHEWS ..... SC
DKI BRISTOL ..... TN
BGW LAFOLLETTE/WMT ..... TN

NTM NASHVILLE W ..... TN
HZS BARREN SPRINGS ..... VA
ZR LEXINGTON ..... VA
NTG WILLIAMSBURG ..... VA
JNU RAVENSWOOD ..... WV
6.085/6.685 IWL ADAIRSVILLE ..... GA
UWN FAYETTEVILLE ..... GA
KQ OWENSBORO ..... KY
KHB NATCHEZ ..... MS
NBR GRIFTON ..... NC
QP STATESVILLE ..... NC
CO NEWBERRY ..... SC
PIO WALLAND ..... TN
HTA VIENNA ..... VA
FMD CLARKSBURG ..... WV
6.10 /6.70 MM ALBANY ..... GA
OOM JASPER ..... GA
DCJ MILLEDGEVILLE ..... GA
TO SAVANNAH ..... GA
JO GRAYSON ..... KY
BDC LOUISVILLE ..... KY
YGM UNION CITY (TN) ..... KY
GY BAY ST. LOUIS ..... MS
LVA GRENADA ..... MS
DEJ MERIDIAN ..... MS
CID DUNN ..... NC
PAX LANCASTER ..... SC
KUD HEISKELL ..... TN
UOT MANCHESTER ..... TN
UFT MEMPHIS ..... TN
YGM UNION CITY ..... TN
AU DANVILLE/WHT OAK ... VA
D NORFOLK ..... VA
LQC PENNINGTON GAP ..... VA
XD STAUNTON ..... VA
JNU RAVENSWOOD ..... WV
6.115/6.715 NVG LAVONIA ..... GA
ABZ RINGGOLD ..... GA
B BEREA ..... KY
TQY GREENWOOD ..... MS
GGN MILLERS CREEK ..... NC
KDC SPRING LAKE ..... NC
NEP COLUMBIA ..... SC
JUB SALTILLO ..... TN
I BLACKSBURG ..... VA
TXE STERLING ..... VA
GL SHERRARD ..... WV
6.13 /6.73 MM ALBANY ..... GA
NC ATLANTA/SWEAT MT .. GA
TVE BRUNSWICK ..... GA
STY #DAWSON SPRINGS ... KY
SWF DORTON ..... KY
ZXK VERSAILLES ..... KY
IF BILOXI ..... MS
VZF STARKVILLE ..... MS
BWC RALEIGH ..... NC
EXU SALISBURY ..... NC
VNK WILMINGTON ..... NC
FKJ N. AUGUSTA ..... SC
BJY SIMPSONVILLE ..... SC
IOB KNXVL/ENG MT ..... TN
DAZ MEMPHIS ..... TN
WA WATERTOWN ..... TN
DHO HAMPTON ..... VA
AVZ LEWISBURG ..... WV
6.145/6.745 BKF ATHENS ..... GA
TTC GREENVILLE ..... KY
N DILLON/PEE DEE ..... SC
RCK DYERSBURG ..... TN
UP OAK RIDGE ..... TN
DY ROANOKE/POOR MT .. VA
L BERKELEY SPRINGS .. WV
U PARKERSBURG ..... WV
6.16 /6.76 BOC STONE MT ..... GA
ELN VALDOSTA ..... GA
NSY #FERN CREEK ..... KY
KJQ LEXINGTON ..... KY
CUW PADUCAH ..... KY
AXQ JACKSON ..... MS
BVW ASHVL/MT PISGAH ..... NC
GGD GREENSBORO ..... NC
S SWANSBORO ..... NC
THL WILSON ..... NC
ILT CHARLESTON ..... SC
LSP BRISTOL/HLSTN MT ... TN
PQP NASHVILLE ..... TN
TFZ CHARLOTTESVILLE .... VA
ZIN WILLIAMSBURG ..... VA
VA HUNTINGTON ..... WV
CUL MORGANTOWN ..... WV
ZQ WHEELING ..... WV
6.175/6.775 NFP MARIETTA ..... GA
NA WRENS ..... GA
PPM MIDDLESBORO ..... KY
JYH SOUTHPORT ..... NC
GYM COLUMBIA ..... SC
OYG PULASKI/MUSIC MT .... TN
MUQ WYTHEVILLE ..... VA
BWZ ELKINS ..... WV
6.19 /6.79 DMK FOLKSTON ..... GA
KOW MOULTRIE ..... GA
SEX NEWNAN ..... GA
VYX SWAINSBORO ..... GA
YWH HIGHLAND HEIGHTS .. KY
U PAINTSVILLE ..... KY
TYP BILOXI ..... MS
S WEST POINT ..... MS

LZD CLINTON ..... NC
QDK SAURATOWN MT ..... NC
FVV ANDERSON/SAS MT ... SC
USN CHARLESTON ..... SC
AM CHATTANOOGA ..... TN
ABR JOHNSON CITY ..... TN
SQE NASHVILLE ..... TN
SD CHESAPEAKE ..... VA
LBL FAIRFAX ..... VA
OQC OAK HILL ..... WV
6.205/6.805 IEZ MILLEDGEVILLE ..... GA
NNE GUTHRIE ..... KY
EWG FAYETTEVILLE ..... NC
IZF GASTONIA ..... NC
O ORANGEBURG ..... SC
NNE GUTHRIE (TN/KY) ..... TN
HTI COVINGTON ..... VA
7.405/6.805 AQS CALHOUN/JASPER ..... GA
HCY MAGGIE VALLEY ..... NC
6.22 /6.82 MM ALBANY ..... GA
DOC ATLANTA ..... GA
JSN #MUHLENBERG CTY .. KY
MBA GREENVILLE ..... MS
MZ MAGEE ..... MS
PZA ROARING GAP ..... NC
GMP WILMINGTON ..... NC
NYK GRNVLE/PARIS MT ..... SC
E GREENBRIER ..... TN
OAH LAKE CITY ..... TN
BS MEMPHIS ..... TN
SFF WINCHESTER ..... TN
WWB GATE CITY ..... VA
RKC WINCHESTER ..... VA
IFS CHARLESTON ..... WV
7.42 /6.82 BS MEMPHIS ..... TN
6.235/6.835 GSS THOMSON ..... GA
QCO ASHEVILLE ..... NC
UOR NAGS HEAD/BODIE ..... NC
USH WADESBORO ..... NC
UDD CHARLESTON ..... SC
IDG WATERTOWN ..... TN
DCX GRUNDY/BIG A MT ..... VA
UTN RUSTBURG/LONG MT VA
EUN GLENVILLE ..... WV
7.435/6.835 KHQ DAHLONEGA ..... GA
NNR HIGH POINT ..... NC
6.25 /6.85 DVJ DALLAS ..... GA
R LAGRANGE ..... GA
QWI WARNER ROBINS ..... GA
CLL BOWLING GREEN ..... KY
IV PIKEVILLE ..... KY
VNO BAY ST. LOUIS ..... MS
JMD BUDE ..... MS
BWW CLEVELAND ..... MS
MFK IUKA ..... MS
LWC KOSCIUSKO ..... MS
CYP GOLDSBORO ..... NC
MDW HICKORY/BRT. MT ..... NC
YEC REIDSVILLE ..... NC
ULH FLORENCE ..... SC
KJH GTLBG/COVE MTN ..... TN
KOG MEMPHIS ..... TN
TK NASHVILLE ..... TN
POX PORTSMOUTH ..... VA
ZBP STAUNTON ..... VA
WDK BECKLEY/FLAT TOP ... WV
L BUCKHANNON ..... WV
6.265/6.865 DKY MADISON ..... GA
YF BIG KNOB/GREY CT .... SC
G FAYETTEVILLE ..... TN
7.465/6.865 DWU ELLISVILLE ..... MS
FOY MURPHY/STALCUP ..... NC
ZRS WAXHAW ..... NC
E MOUNTAIN LAKE ..... VA
6.28 /6.88 CVY COLUMBUS ..... GA
TDL EVANS ..... GA
IUD MARIETTA ..... GA
FGH QUITMAN ..... GA
HBB SAVANNAH ..... GA
OAU LOUISVILLE ..... KY
U MAYTOWN ..... KY
AI SOMERSET ..... KY
HAV JACKSON ..... MS
AAY PASCAGOULA ..... MS
TQD RALEIGH ..... NC
NYR SHELBY ..... NC
WIF ORANGEBURG ..... SC
CYZ BRISTOL ..... TN
ETE MEMPHIS ..... TN
TOA NASHVILLE ..... TN
SKH OAK RIDGE ..... TN
CYZ BRISTOL ..... VA
ZBE RICHMOND ..... VA
PDL SALEM ..... VA
CQV SO. CHARLESTON ..... WV
6.295/6.895 RBS HARTWELL ..... GA
SM MACON ..... GA
JBV INDEPENDENCE ..... KY
YFF MADISON ..... NC
ABW PAGELAND/HIPOINT ... SC
RAG HARRISONBURG ..... VA
KXV VIRGINIA BEACH ..... VA
7.495/6.895 LUQ #DALLAS ..... GA
6.30 /6.90 WVH IRVINGTON ..... KY
SP #FAIRMONT ..... WV
6.31 /6.91 HIG CLEVELAND/LONG ..... GA
HYB GRIFFIN ..... GA

GFY MOREHEAD ..... KY
VV HERNANDO ..... MS
OCM NATCHEZ ..... MS
ZGQ AHOSKIE ..... NC
MOE ASHVL/SPIVEY MT ..... NC
YZF FAYVLLE/CFARS ..... NC
IZM LEXINGTON ..... NC
BWZ WHITE HALL ..... SC
GZX CLEVELAND ..... TN
DQU SAVANNAH ..... TN
YXA SHORT MTN ..... TN
AXH CHASE CITY ..... VA
TUE MT.LAKE/BALD KNB .... VA
XG TYSONS CORNER ..... VA
FQN MCMECHEN ..... WV
6.325/6.925 ASI COVINGTON ..... GA
PJR JESUP ..... GA
BEJ RADCLIFF ..... KY
VOJ CORINTH ..... MS
OBW SULPHUR SPRINGS ... TN
TFZ CHARLOTTESVILLE .... VA
QT DANVILLE(DCC) ..... VA
OGY PRINCETON/PIPEST ... WV
6.34 /6.94 N AUGUSTA ..... GA
VO ROME/MT. ALTO ..... GA
RVB WRIGHTSVILLE ..... GA
SN ASHLAND ..... KY
WZH GLASGOW ..... KY
AUZ #LEXINGTON ..... KY
NTB MURRAY ..... KY
DWX AMORY ..... MS
SBK JACKSON ..... MS
JMD MCCOMB ..... MS
DLH BURGAW ..... NC
BFB CHARLOTTE ..... NC
BFT DURHAM ..... NC
VM MANTEO/WANCHESE . NC
XRY MT AIRY ..... NC
IQQ GREENVILLE ..... SC
GBI KNOXVILLE ..... TN
BSM MEMPHIS ..... TN
PCD NASHVILLE ..... TN
L ABINGDON ..... VA
UMI HAMPTON ..... VA
ZA RICHMOND ..... VA
AP ROANOKE ..... VA
VKB SUMMERSVILLE ..... WV
CWO WEIRTON ..... WV
6.355/6.955 KIN PERRY ..... GA
PRE ROCKY TOP MT ..... GA
OCP RABBIT HASH ..... KY
OB ISOLA ..... MS
PTB ROCKINGHAM ..... NC
E ONEIDA PEAK/BLF ..... VA
6.37 /6.97 CLJ ATLANTA ..... GA
HBB SAVANNAH ..... GA
DPP HENDERSON ..... KY
TUK STANTON ..... KY
MJM MERIDIAN ..... MS
KYB PASCAGOULA ..... MS
DHS WINONA ..... MS
XRY MT AIRY ..... NC
JQ SMITHFIELD ..... NC
SZ ANDERSON ..... SC
ISM FLORENCE ..... SC
TRC KNGSPT/BAYS MT ..... TN
MWQ MCMINNVILLE ..... TN
BEZ MEDINA ..... TN
SKH OAK RIDGE ..... TN
FPM MANASSAS ..... VA
WRN STAUNTON ..... VA
KXV VIRGINIA BEACH ..... VA
E LOGAN/WARD RK MT . WV
CRW PARKERSBURG ..... WV
6.38 /6.98 BEJ ELIZABETHTOWN ..... KY
6.385/6.985 I AUGUSTA ..... GA
HHH ELLIJAY/TALONA M ..... GA
TOV PRESTON ..... GA
UUB ST. MARYS ..... GA
FE WARM SPRINGS ..... GA
DMT SENATOBIA ..... MS
OGB ALBEMARLE ..... NC
PVE MARION ..... NC
IY FRANKLIN ..... TN
CA ROANOKE/POOR MT .. VA
EIV CHARLES TOWN ..... WV
LL NEW MARTINSVILE ..... WV
6.40 /7.00 NNO ATLANTA ..... GA
OQX ROCHELLE ..... GA
UFH CORINTH ..... MS
QFX WATER VALLEY ..... MS
FVO JACKSONVILLE ..... NC
AZA THOMASVILLE ..... NC
HE COLUMBIA ..... SC
YLT MARION ..... SC
YXZ PICKENS ..... SC
AZQ KNOXVILLE ..... TN
ZJM MEMPHIS ..... TN
HMT SUFFOLK/GASBURG .. VA
WMX ST ALBANS ..... WV
6.64 /7.00 HE LEXINGTON ..... SC
7.60 /7.00 WAU ELKHORN CITY ..... KY
LR SHELBYVILLE ..... KY
M WILLIAMSBURG ..... KY
NKZ COLUMBUS ..... MS
PPL #N. CHARLESTON ..... SC
KMG BLOUNTVILLE ..... TN

SGA CLARKSVILLE.....TN
QS COLLEGEDALE.....TN
ZR TERRA ALTA.....WV
6.415/7.015 GIS CARTERSVILLE.....GA
XRY YADKINVILLE.....NC
M LYNCHBURG.....VA
AXO NORTON/HIGH KNOB..VA
7.615/7.015 DT BONAIRE.....GA
FOWCLEVELAND/LONG.....GA
UM MIDWAY.....GA
FDK LEXINGTON.....KY
JHK MONTICELLO.....MS
KPF LK NORMN/CLT.....NC
YP SELMA.....NC
UMU SUMTER.....SC
JVV LEBANON.....TN
KS ROCKWOOD.....TN
YGM UNION CITY.....TN
LNT FREDRICKSBURG.....VA
6.43 /7.03 D LAUREL.....MS
YTZ ROCK HILL.....SC
DRL GRANDJUNCTION.....TN
MVR LEXINGTON.....TN
JST RICHMOND.....VA
7.63 /7.03 REI ATLANTA/AIRPORT.....GA
ZVL HOPKINSVILLE.....KY
PJZ LOUISVILLE.....KY
A OWENSBORO.....KY
LDD OCEAN SPRINGS.....MS
GG GREENSBORO.....NC
DTS ROANOKE RAPIDS.....NC
FOF BARNWELL.....SC
HOG N. MYRTLE BEACH.....SC
YGI COLLIERVILLE.....TN
NIQ FAYETTEVILLE.....TN
DRL GRAND JUNCTION.....TN
LP MORRISTOWN.....TN
IT MULLENS/HRNDN MT..WV
ECG ST MARYS/BENS R.....WV
6.445/7.045 AIH ANDREWS/ROBBINSV.NC
FLR FAYETTEVILLE.....NC
7.645/7.045 TYM METTER.....GA
NFA WATKINSVILLE.....GA
VF GRETHEL.....KY
BEC BALD CREEK.....NC
QP STATSVL/ASBRY MT...NC
HKZ COOKEVILLE.....TN
AYN NASHVILLE.....TN
FOZ STAUNTON/EL KB.....VA
SBC VIRGINIA BEACH.....VA
6.46 /7.06 CQ CHARLOTTE.....NC
LBM ALTON.....VA
PNC PRINCETON.....WV
7.66 /7.06 DDI MACON.....GA
CLA ROSWELL.....GA
UCJ THOMASVILLE.....GA
WQ PADUCAH.....KY
OCF RICHTON.....MS
LED MACO.....NC
VFR SUMTER/SHAW.....SC
UG GRNVLE/MKING MT...TN
MQQ MEMPHIS.....TN
QEB SHELBYVILLE.....TN
ECM ENON.....VA
KNM #POINT PLEASANT.....WV
7.67 /7.07 NMC LOUISVILLE.....KY
6.475/7.075 GBS MORGANTON.....GA
7.675/7.075 JXR LAWRENCEVILLE.....GA
CJB PEMBROKE.....GA
TLP OWINGSVILLE.....KY
Y JACKSON.....MS
HBQ BURLINGTON.....NC
L NEWTON.....NC
E GREENBRIER.....TN
GBI KNOXVILLE.....TN
O MCNAIRY.....TN
HBU NORFOLK.....VA
PNT WAYNESBORO.....VA
QC MORGANTOWN.....WV
7.69 /7.09 YHM EATONTON.....GA
CVE ST SIMONS ISL.....GA
ZAC HARLAN.....KY
YK PHELPS.....KY
DSN AMORY.....MS
MRS NEW HEBRON.....MS
GDF GREENVL/ESTN NC.....NC
RP ORANGEBURG.....SC
JLA SPARTANBURG.....SC
ATI GERMANTOWN.....TN
NLP JAMESTOWN.....TN
VL GALAX/BRIRP MT.....VA
TZE OILVILLE.....VA
7.705/7.105 YSB ATLANTA.....GA
D STATESBORO.....GA
KFD CALVERT CITY.....KY
FGA MARION.....KY
HXG WAYNESBORO.....MS
JCK MONROE.....NC
GHH MOUNTAIN HOME.....NC
TC HENDERSON.....TN
IDG #SHOP SPRINGS.....TN
JBJ BEDFORD.....VA
SR CHESAPEAKE.....VA
JTH MT STORM.....WV
Z SPENCER.....WV
6.09 /7.11 ZLR #LOGAN.....WV
7.72 /7.12 MM ALBANY.....GA
S AUGUSTA.....GA
CMA CEDARTOWN.....GA
HCA #CLARKESVILLE.....GA
U BENTON.....KY
ASZ WINCHESTER.....KY
N ACKERMAN.....MS
REW GAST/SPCR MT.....NC
Z ROCKY MOUNT.....NC
JMT MYRTLE BEACH.....SC
ZYX COLUMBIA.....TN
GMV MEMPHIS.....TN
EAJ OAK RIDGE.....TN
DE COLLINSVILLE.....VA
VI CULPEPER.....VA
DKM BRIDGEPORT.....WV
7.735/7.135 BZJ DALTON.....GA
FRM MILLEDGEVILLE.....GA
Y VALDOSTA.....GA
ICN PAINTSVILLE.....KY
LRQ PETAL.....MS
GBH BREVARD.....NC
ABW CHERAW.....SC
EDS ALAMO.....TN
AZJ PEARISBURG.....VA
HB RICHMOND.....VA
7.75 /7.15 TFW ALBANY.....GA
BYK CUMMING/SAWNEE.....GA
HKK JACNITO.....MS
III PEARL.....MS
VLY MORGANTON.....NC
TQD RALEIGH.....NC
BJM MONCKS CORNER.....SC
SDT SIMPSONVILLE.....SC
PCD NASHVILLE.....TN
EAJ OAK RIDGE.....TN
QJZ JEWELL RIDGE.....VA
SVR ST ALBANS.....WV
7.765/7.165 KIN FORSYTH.....GA
HBM LEXINGTON.....KY
UBY PRESTONSBURG.....KY
RIS HIGH POINT.....NC
VIA GREENWOOD.....SC
CEX PURYEAR.....TN
CTF NEWPORT NEWS.....VA
N WARRENTON.....VA
7.78 /7.18 BMA AUGUSTA.....GA
NHW BALDWIN.....GA
BI SYCAMORE.....GA
H BAXTER.....KY
CN LOUISVILLE.....KY
UDQ INVERNESS.....MS
EJJ SANFORD.....NC
SFK TRYON/MELROSE MT.NC
CTJ WILMINGTON.....NC
NAT DORCHESTER.....SC
SC FT MILL/CAROWND.....SC
KOG MEMPHIS.....TN
PCD NASHVILLE.....TN
DES POLK CTY/OSWALD...TN
Z PKS KB/PULASKI.....VA
OHX LEON.....WV
7.795/7.195 B ATLANTA.....GA
UCJ BOSTON.....GA
NIN LENOIR.....NC
WB MURPHY.....NC
PNZ FLORENCE.....SC
AZQ BRICEVILLE.....TN
RTS LYNCHBURG.....VA
ELM SMITHFIELD.....VA
H HORSEPEN MT.....WV
7.81 /7.21 EMM CONYERS.....GA
TO SAVANNAH.....GA
BUZ GREENSBORO.....NC
MSD WHITEVILLE.....NC
AVU LITTLE MT.....SC
WS COOKEVILLE.....TN
SBX GRAY/HOLSTON MT...TN
WKZ JACKSON.....TN
IWG MCLEAN.....VA
FMD CLARKSBURG.....WV
TC EVANS.....WV
7.825/7.225 ZUN JEFFERSON.....GA
LVY SUMMERVILLE.....GA
NFK LITCHFIELD.....KY
OXA ESCATAWPA.....MS
DRL WARSAW.....MS
UQS ASHEVILLE.....NC
WTX HILLSBOROUGH.....NC
DTW SANTEE.....SC
OAH MORRISTOWN.....TN
C HARRISONBURG.....VA
NRK PRINCETON.....WV
7.84 /7.24 NFG IRWINTON.....GA
DII ASHLAND.....KY
AVE FAIR DEALING.....KY
AI FRANKFORT.....KY
NAR MAYFIELD.....KY
R TUPELO.....MS
NIW CARTHAGE.....NC
PBG FOREST CITY.....NC
GHZ FRANKLIN.....NC
ILN HILTON HEAD.....SC
AC LANCASTER.....SC
BKY GALLATIN.....TN
OG LUNENBURG CT.HSE..VA
FQR WOODBRIDGE.....VA
7.855/7.255 KDT ATLANTA.....GA
IQX DIXON.....KY
CO HIGHLAND HEIGHTS..KY
RC LAUREL.....MS
AV ASHEBORO.....NC
KNI HENDSVL/PENIC/MT...NC
BZU NASHVILLE.....TN
SI PETROS/FRZ HD MT...TN
TVS ACCOMAC.....VA
CYZ DANTE.....VA
EQC HINTON.....WV
YZV MARTINSBURG.....WV
LLM PARKERSBURG.....WV
7.87 /7.27 EBB AMERICUS.....GA
KMS #COVINGTON.....GA
KWT LOUISVILLE.....KY
USN ABERDEEN.....MS
SXK VICKSBURG.....MS
H RALEIGH BENSON.....NC
SM WAYNESVILLE.....NC
LET CHARLESTON.....SC
JRJ SENECA/LONG MT.....SC
YQC GALLATIN.....TN
FH JOHNSON CITY.....TN
OWI MEMPHIS.....TN
TMC PINSON.....TN
IKL GUM SPRING.....VA
QWO ROANOKE/POOR MTN.VA
S SCOTT DEPOT.....WV
7.885/7.285 EVD ASHBURN.....GA
VBX ATLANTA/GPCO.....GA
ZFH LONDON.....KY
FGA MARION.....KY
EZN COLUMBIA.....MS
CTS CORINTH.....MS
ADM AIKEN.....SC
DCD MYB BCH/BRKSVIL...SC
MGM WHITE OAK MTN.....SC
ZTK BLUFF CITY.....TN
PUX PIKEVILLE.....TN
QT MARTINSVILLE.....VA
HON SPRUCE KNOB.....WV
7.90 /7.30 MU PERRY.....GA
YSV ROME.....GA
U PRESTONSBURG.....KY
SJH SPRINGFIELD.....KY
LNY MAGEE.....MS
YJG JEFFERSON.....NC
MZP RED SPRINGS.....NC
OMV TUCKASEGEE.....NC
ESG AWENDAW.....SC
BBB KNOXVILLE.....TN
ADT MEMPHIS.....TN
ZSA NASHVILLE.....TN
TSC BLUEMONT.....VA
SPS FRANKLIN.....VA
ZR LEXINGTON.....VA
NSL HARRISVL/PENSBRO..WV
7.915/7.315 REB TWIN CITY.....GA
IL SALEM.....KY
JYH SAURATOWN MT.....NC
PPD SHALLOTTE.....NC
UZT N. SPARTANBURG.....SC
O #FRUITLAND.....TN
HZN ROGERSVILLE.....TN
HFH ALEXANDRIA.....VA
HWG GRUNDY.....VA
YET HARRISONBURG.....VA
MR CLARKSBURG.....WV
7.93 /7.33 BXO LAGRANGE.....GA
DIP TOCCOA.....GA
KWH ASHLAND.....KY
KNE MT. STERLING.....KY
IUI PROVIDENCE.....KY
CYR MCHENRY.....MS
EPP PHILADELPHIA.....MS
LPL FAYVLLE/FT BRAGG...NC
K LENOIR/HIBRITN.....NC
NUY COLUMBIA.....SC
VXW COVINGTON.....TN
ORB MORGAN COUNTY.....TN
ZR LEXNGTN/ROCK MT...VA
ZIP WARSAW.....VA
7.945/7.345 NEQ ATLANTA/MARIETTA...GA
PJR JESUP/SCREVEN.....GA
IZD LYNCH/BLACK MT.....KY
JC CLINTON.....MS
NYR SHELBY.....NC
TEP WASHINGTON.....NC
LWS AWENDAW.....SC
UVH HENDERSONVILLE.....TN
MMI RAMER.....TN
UTN GLADYS.....VA
RUA FRANKLIN.....WV
K LOGAN/SUMERCO.....WV
7.98 /7.38 CLC DOUGLASVILLE.....GA
HZX DUBLIN.....GA
Z LOUISVILLE.....KY
CJR HATTIESBURG.....MS
PKU LOUISVILLE.....MS
SVC NATCHEZ.....MS
KDB BOONE/RICH MTN.....NC
LDB DURHAM.....NC
S LUMBERTON.....NC
EOY COLUMBIA.....SC
OAK LAFOLLETTE.....TN
MMI MEMPHIS.....TN
NTM NASHVILLE.....TN
KLX PARIS.....TN
MMI POCAHONTAS.....TN
OBB CHESTERFIELD.....VA
OLM STUARTS DRAFT.....VA
7.975/7.375 TQU ATHENS/CRAWFORD..GA
VAK LAFAYETTE.....GA
CO WALTON.....KY
VFU GULFPORT.....MS
YN BURNSVILLE.....NC
ROK GREENVILLE.....NC
DCD TABOR CITY.....NC
DMI GEORGETOWN.....SC
LEO GREENVILLE.....SC
ILD LYNCHBURG.....VA
NV VIRGINIA BEACH.....VA
LNB GRAFTON.....WV
WMX ST ALBANS.....WV
7.98 /7.38 NAY PONTOTOC.....MS
7.99 /7.39 IMK THOMASTON.....GA
NON COVINGTON.....KY
RBL LA GRANGE.....KY
PDJ #WHTSBRG/PINE MT..KY
UNA PRENTISS.....MS
CHZ AQUADALE.....NC
PLY CHARLOTTE.....NC
QBG EDEN/STONEVILLE.....NC
FAU SHALLOTTE.....NC
AC SMITHFIELD.....NC
FEC LEXINGTON.....SC
TA CLARKSVILLE.....TN
PHT DAYTON/RHEA CTY...TN
BJY OAKFIELD.....TN
AJO MADISON.....VA
ARO PETERSBURG.....VA
CRW PARKERSBURG.....WV
8.19 /7.51 HBY MEMPHIS.....TN
7.075/7.875 NGQ FRANKFORT.....KY
7.315/7.915 SPJ FORSYTH.....GA
8.46 /1.00 EHJ BARBOURSVILLE.....WV

220 MHZ

0.058/EACON NKM GREENEVILLE.....TN
2.055/EACON MW MEMPHIS.....TN
4.26 /2.66 DBB BEDFD/APL ORCH.....VA
2.12 /3.72 KHP STERLING.....VA
2.14 /3.74 VMI LEXINGTON.....KY
2.18 /3.78 OHX #LEON.....WV
2.30 /3.90 RAB HERMITAGE.....TN
2.32 /3.92 UXD AUGUSTA.....KY
2.34 /3.94 QK ASHLAND.....KY
GP CLARKSVILLE.....TN
ZJM MEMPHIS.....TN
HTA VIENNA.....VA
2.38 /3.98 HUV LINWOOD.....NC
ZSA GALLATIN.....TN
2.42 /4.02 EHF FAYETTEVILLE.....NC
TXE LEESBURG.....VA
2.46 /4.06 MB ARLINGTON.....VA
2.48 /4.08 NTM NASHVILLE.....TN
2.50 /4.10 F BALDWIN.....GA
CII RIDGEVILLE.....SC
YHD FAIRFAX.....VA
DBB ROANOKE.....VA
2.52 /4.12 NFP ATLANTA/MARIETTA...GA
G FLAT TOP/WINTRPL...WV
2.54 /4.14 JEH CONYERS.....GA
WOR GREENSBORO.....NC
QHF PICKENS/CSRS HD.....SC
SGS FRANKLIN.....TN
YQC CHARLOTTESVILLE....VA
M #WILLIAMSON.....WV
2.56 /4.16 JNN SASAFRAS MTN.....GA
K LENOIR/HIBRITN.....NC
S NASHVILLE.....TN
2.58 /4.18 GLC BRUNSWICK.....GA
YDX DALLAS.....GA
RWN COLUMBIA.....SC
M COLUMBIA.....SC
2.60 /4.20 OVY ATLANTA-NE.....GA
UA AUGUSTA.....GA
ILY GREENVILLE.....SC
KMG BLOUNTVILLE.....TN
YTU BROWNSVILLE.....TN
PEA HAMPDEN-SYDNEY....VA
2.62 /4.22 NEQ MARIETTA.....GA
ZXK VERSAILLES.....KY
C ROCKY MOUNT.....NC
FZK KNXVL/CROSS MT.....TN
BN SPRINGFIELD.....TN
2.64 /4.24 YYD #ELLIJAY-BUCK MT....GA
KNI HENDSVL/BERWLW M.NC
2.66 /4.26 L MARIETTA.....GA
BVW ASHVL/MT PISGAH.....NC
WTX #HILLSBOROUGH.....NC
NP SHORT MTN.....TN
2.68 /4.28 BLR ATLANTA.....GA
OAK LAFOLLETTE.....TN
M LYNCHBURG.....VA
2.70 /4.30 MKT LOUISVILLE.....KY
AI SOMERSET.....KY
PVI STATESVILLE.....NC
2.72 /4.32 JBF THOMASVILLE.....GA
KYB PASCAGOULA.....MS
WGA JACKSONVILLE.....NC
X PICKENS/SASFR MT....SC
US CLEVELAND.....TN
2.74 /4.34 DOC ATLANTA.....GA

AZA THOMASVILLE ..... NC
CVL MANASSAS ..... VA
2.76 /4.36 BZJ DALTON ..... GA
TYO MARSHALL ..... NC
YST #CHARLESTON ..... WV
2.78 /4.38 RBT CLEVELAND ..... GA
OQJ KNOXVILLE ..... TN
QT DANVILLE ..... VA
2.80 /4.40 DWU ELLISVILLE ..... MS
BFB CHARLOTTE ..... NC
QHF PICKENS ..... SC
YGI COLLIERVILLE ..... TN
RBB MORRISTOWN ..... TN
2.82 /4.42 YSV ROME ..... GA
VEZ LOUISVILLE ..... KY
BS MEMPHIS ..... TN
DE COLLINSVILLE ..... VA
KHP TYSONS CORNER ..... VA
2.84 /4.44 NEQ ATL/MARIETTA ..... GA
IEV SPINDALE ..... NC
G WEST SPRINGS ..... SC
OG NASHVILLE ..... TN
FUV SEVIERVILLE ..... TN
GLA DANVLE/WHITE OAK .. VA
2.86 /4.46 ELN VALDOSTA ..... GA
ZTJ SHELBY ..... NC
YON KNOXVILLE ..... TN
FUJ LOVETTSVILLE ..... VA
2.88 /4.48 PRH NORCROSS ..... GA
ZIA LOCUST ..... NC
QC PARSONS ..... WV
2.90 /4.50 NEZ NEW GEORGIA ..... GA
TYP BILOXI ..... MS
YNY WILMINGTON ..... NC
BBB KNOXVILLE ..... TN
DRL MEM/FISHERVILLE ..... TN
BVI MARTINSVILLE ..... VA
2.92 /4.52 KSM WALESKA/PNLGMT ..... GA
RWN LITTLE MTN ..... SC
OBW JONESBOROUGH ..... TN
ONG RICHMOND ..... VA
3.92 /4.52 RPB GLEN ..... MS
2.94 /4.54 BVW MT MITCHELL ..... NC
2.96 /4.56 DOC ATL/CHESTNUT MT .... GA
DOC ATLANTA ..... GA
EHF FAYETTEVILLE ..... NC
2.98 /4.58 F PIKEVILLE ..... KY
FKC ROCKY MOUNT ..... NC
YHH SAURATOWN MT ..... NC
VFD CROSS ..... SC
3.00 /4.60 GIS CARTERSVILLE ..... GA
N ASHEVILLE ..... NC
NNR HIGH POINT ..... NC
HMT GASBURG/LK GASTN . VA
3.02 /4.62 ZTL ATLANTA/BELL ..... GA
ETG PIKEVILLE ..... KY
THN GLOUCESTER PT. ..... VA
3.04 /4.64 ABZ RINGGOLD ..... GA
PEN RALEIGH ..... NC
YHH WINSTON-SALEM ..... NC
NRL CHARLESTON ..... SC
RGQ CLINCH MTN ..... TN
3.06 /4.66 BKM MACON ..... GA
PLA MARS HILL ..... NC
AM SUNSET BEACH ..... NC
VFR SUMTER/SHAW ..... SC
S NASHVILLE ..... TN
FPM MANASSAS ..... VA
3.08 /4.68 BZJ DALTON ..... GA
KPF LK NORMN/CLT ..... NC
3.10 /4.70 PZD HIRAM ..... GA
GY BAY ST. LOUIS ..... MS
RXG SAURATOWN MT ..... NC
ARO PETERSBURG ..... VA
3.12 /4.72 MBK CLAYTON ..... GA
KO COLUMBIA ..... TN
KHP TYSONS CORNER ..... VA
3.14 /4.74 KVC DALTON ..... GA
TFU BURNSVILLE ..... NC
RVS OXFORD ..... NC
PYI NASHVILLE ..... TN
WQJ VIRGINIA BEACH ..... VA
3.16 /4.76 BOC STONE MT ..... GA
EXU SALISBURY ..... NC
E GREENBRIER ..... TN
3.18 /4.78 KLW ROCKMART ..... GA
D ACKERMAN ..... MS
WGY EDEN ..... NC
TGK ORANGEBURG ..... SC
VCM CHATTANOOGA ..... TN
UCI JC/BUFFALO MT ..... TN
KOG MEMPHIS ..... TN
GJZ WOODBRIDGE ..... VA
3.20 /4.80 PML MORGANTON ..... NC
E GREENBRIAR ..... TN
3.22 /4.82 C ATLANTA ..... GA
MOP LOUISVILLE ..... KY
D ACKERMAN ..... MS
DWU CANTON ..... NC
HTS GREENSBORO ..... NC
CCF ALEXANDRIA ..... VA
SAD SINGERS GLEN ..... VA
3.24 /4.84 MU PERRY ..... GA
DAN GRIFTON ..... NC
PLV BEDFORD ..... VA
3.26 /4.86 JNN ALPHARETTA ..... GA
GYR SUMTER ..... SC

KFI KNOXVILLE ..... TN
UHA HAMPTON ..... VA
3.28 /4.88 UPC YORKVILLE ..... GA
AI SOMERSET ..... KY
VNO BAY ST. LOUIS ..... MS
AIH ANDREWS/ROBBINSV NC
RXG SAURATOWN MT ..... NC
DRL FISHERVILLE ..... TN
3.30 /4.90 QPL MARIETTA ..... GA
ST PONTOTOC ..... MS
EOY COLUMBIA ..... SC
ZOK CHATT/SIGNAL MT ..... TN
HQ DELTAVILLE ..... VA
3.32 /4.92 NYK ROPER MT/GRNVL ..... SC
LGA BLFD/E.RIVER MTN ..... VA
3.34 /4.94 KXO AUGUSTA ..... GA
EV ROSSVILLE ..... GA
YUU LEXINGTON ..... KY
JJ FLORENCE ..... SC
NKM GREENEVILLE ..... TN
PCD NASHVILLE ..... TN
EM ROANOKE/CHAUS MT VA
3.36 /4.96 ZJG HIRAM ..... GA
JTX CHERRYVILLE ..... NC
JVX GOLDSBORO ..... NC
UQS HENDERSONVILLE ..... NC
WTB SAURATOWN MT ..... NC
TUN AIKEN ..... SC
RA LAVERGNE ..... TN
3.38 /4.98 JSR CUMMING ..... GA
PNG JARVIS ..... KY
CHP FALLS CHURCH ..... VA

440 MHZ

9.45 /5.67 DOC ATLANTA ..... GA
9.25 /1.25 PXX BRNSWK/JEKYLL IS ..... GA
PPN CHARLOTTE ..... NC
AZA SAURATOWN MT ..... NC
GUP LEXINGTON ..... SC
ERU MEMPHIS ..... TN
ZQ NASHVILLE ..... TN
9.250/1.250 NS ELIZABETHTOWN ..... KY
TPI PULASKI ..... TN
9.25 /3.25 UMU SUMTER ..... SC
VHP SAVANNAH ..... GA
NCJ WAYNESBORO ..... VA
MM ALBANY ..... GA
AOH OWENSBORO ..... KY
NYR SHELBY ..... NC
1.25 /4.00 EM MEMPHIS ..... TN
6.25 /9.25 GVK ALEXANDRIA ..... VA
FHL ROANOKE/POOR MT.. VA
7.00 /2.00 RTH ALPHARETTA ..... GA
ORL LOUISVILLE ..... KY
HMT GASBURG ..... VA
CSG WINCHESTER ..... VA
T WYTHEVILLE ..... VA
7.05 /2.05 XV JASPER ..... TN
BEZ MEDINA ..... TN
7.075/2.075 VOS STANTON ..... KY
J LONE MOUNTAIN ..... TN
7.10 /2.10 ABJ MILAN ..... TN
TXE STERLING ..... VA
7.125/2.125 PLP ROSSVILLE ..... GA
7.15 /2.15 BEA RALEIGH ..... NC
J CHATTANOOGA ..... TN
7.150/2.150 TPI PULASKI ..... TN
7.175/2.175 EO ROCKY FACE ..... GA
YUY ROANOKE ..... VA
7.20 /2.20 APR DECATUR ..... GA
SBX GRAY/HOLSTON MT ... TN
BJY OAKFIELD ..... TN
TXE STERLING ..... VA
QC PARSONS ..... WV
7.225/2.225 KWT LOUISVILLE ..... KY
7.25 /2.25 PQA GREENVILLE ..... SC
DES OSWALD DOME ..... TN
HTI COVINGTON ..... VA
7.275/2.275 VTT MACON ..... GA
7.30 /2.30 VFD CROSS ..... SC
UBR COOKEVILLE ..... TN
BS BECKLEY/BOLT ..... WV
7.325/2.325 JSR CHATTANOOGA ..... TN
7.35 /2.35 NHW BALDWIN ..... GA
7.40 /2.40 UER WARM SPRINGS ..... GA
XV LATONIA ..... KY
QHF PICKENS/CSRS HD .... SC
SSB MONTEAGLE ..... TN
YI LYNCHBG/JACK MT... VA
7.425/2.425 HCA #CLARKESVILLE ..... GA
7.45 /2.45 RBL LA GRANGE ..... KY
LMR RALEIGH ..... NC
7.475/2.475 NVG LAVONIA ..... GA
7.50 /2.50 NEZ DOUGLASVILLE ..... GA
MLF LOUISVILLE ..... KY
SSB HENDERSONVILLE ..... TN
NTZ KNOXVILLE ..... TN
CA ROANOKE/POOR MT .. VA
7.500/2.500 YNY WILMINGTON ..... NC
7.55 /2.55 JEH CONYERS ..... GA
MMY PITTSBORO ..... NC
7.60 /2.60 USU MURPHY ..... NC
SSB GALLATIN ..... TN
VA #HUNTINGTON ..... WV
7.625/2.625 NSO GAINESVILLE ..... GA
AM SUNSET BEACH ..... NC
EPG MEMPHIS ..... TN

7.675/2.675 UP LAWRENCEBURG ..... TN
7.70 /2.70 HHH ELLIJAY ..... GA
AZU SAVANNAH ..... GA
SSB GORDONSVILLE ..... TN
VG ROANOKE/POOR MT.. VA
7.725/2.725 NMF ATLANTA/SWEAT MT ... GA
YJ LOUISVILLE ..... KY
7.75 /2.75 EMM MILLIDGEVILLE ..... GA
GR BAKERSVILLE ..... NC
7.80 /2.80 AAD YADKINVILLE ..... NC
EPG JACKSON ..... TN
MIC GUM SPRING ..... VA
7.825/2.825 G MEMPHIS ..... TN
7.875/2.875 IWK MACON ..... GA
7.90 /2.90 AZA THOMASVILLE ..... NC
BNW MULLOY ..... TN
7.925/2.925 YHM #EATONTON ..... GA
7.95 /2.95 FU LYNCHBURG ..... VA
7.975/2.975 YNZ ATLANTA ..... GA
8.00 /3.00 OGF CHATSWORTH ..... GA
EOY COLUMBIA ..... SC
ZJM MEMPHIS ..... TN
X WHITETOP MTN ..... VA
EZR HUNTINGTON ..... WV
8.80 /3.00 KOG MEMPHIS ..... TN
8.025/3.025 DZ BURLINGTON ..... NC
8.05 /3.05 JVX GOLDSBORO ..... NC
PUB MT JULIET ..... TN
VT PARKERSBURG ..... WV
8.10 /3.10 IZD LYNCH/BLACK MT ..... KY
GGC SAURATOWN MT ..... NC
N GRNVLE/PARIS MT ..... SC
GPM FAYETTEVILLE ..... TN
JXT MEMPHIS ..... TN
LJZ WOODBRIDGE ..... VA
FHE BUCKHANNON ..... WV
8.125/3.125 DEB HAMPTON ..... GA
8.15 /3.15 HG #SALISBURY ..... NC
MHR ST. ALBANS ..... WV
8.20 /3.20 APP HIGH HOUSE MTN ..... GA
UG GRNVLE/VIKING MT ... TN
BS MEMPHIS ..... TN
8.225/3.225 QCP JONESBORO ..... GA
ZCM RALEIGH ..... NC
8.25 /3.25 VF DORTON ..... KY
JEX KANNAPOLIS ..... NC
8.275/3.275 KLW ROCKMART ..... GA
8.30 /3.30 X ATHENS ..... GA
SVQ ARCHDALE ..... NC
IEV SPINDALE ..... NC
KJH GATLBG/COVE MT ..... TN
8.325/3.325 JMD STOCKBRIDGE ..... GA
JMD STOCKBRIDGE ..... GA
8.35 /3.35 YYD ELLIJAY-BUCK MTN ... GA
LFU RICHMOND ..... VA
8.375/3.375 AQS CALHOUN/JASPER ..... GA
8.40 /3.40 RDM HAMPTON ..... GA
WTB SAURATOWN MT ..... NC
RPC YAUPON BEACH ..... NC
TUN AIKEN ..... SC
DBJ CUMBERLAND CITY ... TN
QWW MEMPHIS ..... TN
8.425/3.425 MDE JASPER ..... GA
SQC JOHNSON CITY/HMV .. TN
8.45 /3.45 VAK HIGH PT/LOOKT MT .... GA
VOZ STATESVILLE ..... NC
8.475/3.475 X CHAPEL HILL ..... NC
8.50 /3.50 EQC LOUISVILLE ..... KY
UBY META ..... KY
X LAUREL ..... MS
PQZ GREENSBORO ..... NC
GYM COLUMBIA ..... SC
WKS PARIS/GROVE HL ..... TN
FI TYSONS CORNER ..... VA
8.525/3.525 KLW ROCKMART ..... GA
8.55 /3.55 IN DACULA ..... GA
XE ROARING GAP ..... NC
ELM SMITHFIELD ..... VA
8.575/3.575 PXV GRANDFATHER MTN.. NC
8.60 /3.80 BA MARIETTA ..... GA
HYE MENDENHALL ..... MS
DWU MT MITCHELL ..... NC
CXD FOREST ..... VA
8.625/3.825 MJN JAMESTOWN ..... TN
8.65 /3.65 ZV ATLANTA ..... GA
D ACKERMAN ..... MS
AIH ANDREWS/ROBBINSV NC
UMI HAMPTON ..... VA
BON ROANOKE/POOR MT.. VA
8.70 /3.70 BA MARIETTA ..... GA
LXW HIGH POINT ..... NC
LBT LOCUST ..... NC
DOR BARTLETT ..... TN
8.725/3.725 OTT CARTHAGE ..... TN
8.75 /3.75 TF COVINGTON ..... GA
EDS ALAMO ..... TN
EG #ROANOKE AIRPORT . VA
8.775/3.775 ZOE NASHVILLE ..... TN
8.80 /3.80 NFP ATLANTA/MARIETTA ... GA
IAT NATCHEZ ..... MS
HNK SUMMERVILLE ..... SC
NDH CHESAPEAKE ..... VA
VA INDEPENDNCE HILL ... VA
8.825/3.825 KRM SHELBYVILLE ..... TN
KZI PETERSBURG ..... VA
8.85 /3.85 PN WALESKA/PNLOG MT . GA
ULM FRANKLIN ..... TN

OB STAFFORD ..... VA
8.875/3.875 MZ HAW RIVER ..... NC
DUM WILLIS ..... VA
8.90 /3.90 DEB GRIFFIN ..... GA
DWU ELLISVILLE ..... MS
RIS HIGH POINT ..... NC
EVG CHESAPEAKE ..... VA
8.925/3.925 LJU RINGGOLD ..... GA
YR SOUTH BOSTON ..... VA
8.95 /3.95 UFM DECATUR ..... GA
RYF MEMPHIS ..... TN
NTG WILLIAMSBURG ..... VA
8.975/3.975 BRN MEMPHIS ..... TN
WJS ROCKWOOD ..... TN
RA SMRYNA ..... TN
9.00 /4.00 QDX LAWRENCEVILLE ..... GA
AFY SAVANNAH ..... GA
WRX JACKSON ..... MS
JEQ HICKORY ..... NC
YP SELMA ..... NC
BKY GALLATIN ..... TN
ETE MEMPHIS ..... TN
SN PORTSMOUTH ..... VA
IT #MULLENS/HRNDN M.. WV
9.025/4.025 MSE STONE MT ..... GA
DZ HIGH POINT ..... NC
RDK MEMPHIS ..... TN
9.05 /4.05 NEQ ATLANTA/MARIETTA ... GA
OLC #BARRETT'S MTN ..... NC
OG NASHVILLE ..... TN
AVA GREAT FALLS ..... VA
OLM STUARTS DRAFT ..... VA
9.10 /4.10 MNI BOWLING GREEN ..... KY
WTT LOUISVILLE ..... KY
WUX MERIDIAN ..... MS
WTX DURHAM ..... NC
AM CHATTANOOGA ..... TN
JXT MEMPHIS ..... TN
FOZ STAUNTON/EL KNOB . VA
ILO PARKERSBURG ..... WV
9.125/4.125 YOQ BOSTIC ..... NC
ECD LAFAYETTE ..... TN
9.15 /4.15 ZTL ATLANTA/BELL ..... GA
BJT CLERMONT HARBOR . MS
YCR NEW ALBANY ..... MS
BQG GASTONIA ..... NC
NTM NASHVILLE ..... TN
MB ARLINGTON ..... VA
ZR LEXNGTN/ROCK MT. .. VA
9.175/4.175 COV UNION ..... KY
WTB STUART/SPOON MTN. VA
FMD CLARKSBURG ..... WV
9.20 /4.20 LBM DECATUR ..... GA
U MAYTOWN ..... KY
E OAK LEVEL ..... KY
YNF AHOSKIE ..... NC
GYM COLUMBIA ..... SC
YTU BROWNSVILLE ..... TN
NEX MORRISTOWN ..... TN
ECM ENON ..... VA
EZA WAYNESBORO ..... VA
9.225/4.225 VWK YANCEYVILLE ..... NC
ARK NASHVILLE ..... TN
9.25 /4.25 BOC ATLANTA/STONE MT .. GA
DC GLASGOW/CVCTY ..... KY
CYR GULFPORT ..... MS
KNI HENDSVL/BERWLW M NC
F SMITHFIELD ..... NC
PAJ BARTLETT ..... TN
E GREENBRIER ..... TN
TFZ CHARLOTTESVILLE .... VA
9.275/4.275 NC WINSTON-SALEM ..... NC
9.30 /4.30 WH JENKINS ..... KY
ZZD LOUISVILLE ..... KY
WORGREENSBORO ..... NC
MNH CHARLESTON ..... SC
DRL FISHERVILLE ..... TN
GBI KNOXVILLE ..... TN
EFK FALLS CHURCH ..... VA
9.325/4.325 BA MARIETTA ..... GA
ZXP GLENVILLE ..... WV
9.35 /4.35 JF TIFTON ..... GA
CO HIGHLAND HEIGHTS .. KY
V GIBSONVILLE ..... NC
BKY GALLATIN ..... TN
DBB BEDFD/APL ORCH ..... VA
9.375/4.375 IZF JASPER ..... GA
9.40 /4.40 UA AUGUSTA ..... GA
ULJ HAMILTON ..... GA
LU LAWRENCEVILLE ..... GA
RBL #LA GRANGE ..... KY
LTW MERIDIAN ..... MS
YZF FAYETTEVILLE ..... NC
YOQ FOREST CITY ..... NC
KOG MEMPHIS ..... TN
EAJ OAK RIDGE ..... TN
HON MADISON ..... VA
ARO PETERSBURG ..... VA
G ALDERSON ..... WV
9.425/4.425 ISI ALTAVISTA ..... VA
9.45 /4.45 DOC ATLANTA ..... GA
LCL JACKSON ..... MS
CQ CHARLOTTE ..... NC
YTU BROWNSVILLE ..... TN
KWP GALLATIN ..... TN
J SODDY DAISY ..... TN
ZOA FALLS CHURCH ..... VA

Historical Information of

SERA-SouthEastern Repeater Assn., Inc.

Local Coordinator for NC, SC, VA, TN, KY, WV, GA, MS

-Compiled, Edited and Updated by The SERA Repeater Journal Staff.

Originally formed as the North Carolina FM Repeater Association Inc. in 1971, a group of state repeater owners got together to form an organization designed to assist in coordinating, provide communications and technical information, and to bring together all repeater owners into one united body.

In 1973, Virginia and South Carolina joined the group. The organization's name was changed to Carolinas-Virginia Repeater Association, Inc. (CVRA). In late summer of 1979, amateurs in the state of Tennessee voted to join the Association and in 1980, the state of West Virginia followed, making CVRA a 5-state organization. In 1980, the board of directors changed the name of the organization to CVRA-SouthEeastern Repeater Association, Inc. The letters CVRA were retained in the formal corporate name to continue nationwide recognition. The remainder of the name was added to allow flexibility in adding more areas, thus CVRA-SERA.

In the spring of 1985, 20 counties in Eastern Kentucky formed the Eastern Kentucky district of the Association, and in July, by unamious vote of the Georgia repeater owners attending a special called meeting at the Atlanta hamfest petitioned for membership. Later, the board accepted Georgia as the seventh district of CVRA-SERA.

In the early part of 1987, the CVRA-SERA board wrote and approved one of the most complete, far reaching Coordination Policies in the nation. This new document provided a guide for coordinators and repeater owners -- spelled out in detail how to handle any situation concerning coordination, interference and repeater ownership.

In 1988, the board voted to drop the letters "CVRA" from the corporate name, thus SERA was the new identity for the SouthEeastern Repeater Association. The organization also decided to copyright its repeater index. In 1989, the board again moved forward with the times. The SERA By-Laws were totally updated to reflect current trends. The coordination policy was updated and paragraphs titled to assist in finding portions of the document with ease and speed. Clarifications were made to some sections of the coordination policy. SERA also changed its requirements concerning the acceptance of new States (Districts). The new By-laws section allowed States or other coordination areas to retain their identity and come into the SERA organizational umbrella. There requirements were limited to adhereing to the SERA By-Laws and Coordination Policies. Our Frequency Utilization Plan is such that if an area comes into the organization with a different structured bandplan, that has been workable throughout that area on a non-interfering basis, it is acceptable under SERA policy. Two other areas were clarified for acceptance as a District. (1) A majority of repeater owners must accept SERA as their official coordinator, through a poll of all the repeater owners in the effected area, and (2) at least 10 repeater owners must petition and join as full members to qualify that area for membership in SERA.

In 1989, SERA signed a paper of "Mutual Cooperation and Recognition" with MACC-Mid-America Coordination Council, as it had previously with the Florida Repeater Council, Alabama Repeater Council, and T-MARC. (other councils adjoining SERA border states) These agreements basically state that SERA recognizes these organizations as the official coordinators in their area, and that SERA pledges to cooperate with them in coordination and information.

Mississippi became the 8th SERA State and Western Kentucky joined East Kentucky to form a new Kentucky District encompassing the entire state in mid 1989.

Other Information

At the end of 1985, the association represented over 900 repeaters in seven states on all VHF/UHF bands. The organization, completing 14 successful years of service, gave proof that repeater owners working together, could provide the climate necessary to put countless repeaters on the air via coordination, thus minimizing unecessary interference.

At the beginning of 1989, repeaters in the 7-districts had grown to over 1,200. With a new computerized data-base in place, the organization mailed data sheets to every known repeater in the seven States in an attempt to get the database complete and up-to-date.

In early 1990, SERA territory spanned over 358,000 square miles of the Southeastern part of the United States. Over 64,000 licensed amateurs in the area containing over 1,400 repeaters under the SERA umbrella.

By the Spring of 1990 SERA computers were tied together by telephone modem reaching to any Director or officer with PC capability.

In 1991, the SERA computer database began a transition toward multiuser capabilities, with the program to be re-written. Key personnel of SERA received their user codes for the ARRL National Data Base in early 1992. The SERA Repeater Index was placed on the database at that time.

SERA covers parts of four ARRL Divisions, Roanoke, Southeastern, Great Lakes and Delta.

Directors & Vice-Directors

The Director, who is elected from within his own District by his fellow repeater owners, is the leader within the district. He guides SERA efforts from his District, answering only to the full board of directors in session and voting, and of which he is an equal member. His judgement is totally free in coordination in his area, guided by the board-approved Frequency utilization plans and coordination policies and guidelines. The Director is assisted by an elected Vice-Director in both coordination and contact with repeater owners. The Vice-Director is also elected from within the District. Assistant directors may be named by the Director. All within the District are subordinate to the Director, who is responsible for compliance with the By-laws and policies of the organization.

The coordinators receive periodic updated printouts of repeaters on the air, coordinated, proposed, and under construction from the SERA database computer. Many coordinators with computer capability have come on line with the SERA master computer via modem.

This vital information is at his fingertips whenever needed for coordination of border repeaters. SERA Directors also keep in communication with other neighboring repeater councils when coordinating, and in at least some instances, our data processing people may have indexes of adjoining states in storage for the convenience of our coordinators, although outlying areas are seldom published. Our computer generated repeater indexes are updated quarterly for all Districts, limited only by the availability of input in the case of areas outside our responsibility for coordination. In cases of questions or problems, the Director may consult fellow Directors in neighboring Districts. In the case of repeater owners having problems with interference, SERA generally tries to get the groups to work out their problems. If no solution is possible, and one asks, SERA will come in and assist as necessary as spelled out by the Coordination Policy and guidelines. In the cases of coordinated repeaters vs. non-coordinated repeaters, SERA will go as far as we can, if necessary, to obtain a solution.

The Repeater Journal

HISTORICAL MOMENTS - Volume 1, Number 1 of the Repeater Journal was published in 1971, 12 pages of typewritten stapled sheets. By 1973, the publication was printed by a commercial printer, with a 7 x 8-1/2 inch format. The February 1983 Journal had a new size and format. The new 8-1/2 x 11 magazine type layout set the Journal into a more professional look. In November of 1986 the Repeater Journal began printing full color covers. In 1991, the Repeater Journal staff had in place computers, desk-top publishing programs, and all the tools required to take over the task of completely publishing the Journal typeset by computer. By early 1992, every piece of type in the Repeater Journal was typeset by Desk-Top publishing, by the Journal staff, eliminating costly, outside typesetting.

SERA publishes one of the most professional news magazines of its type in the nation. The quarterly publication, (Published in February, May, August and November) is generally 56 pages or more, wrapped in full-color covers and is full of interesting information about repeaters, repeater owners and clubs. The Journal's repeater index, containing over 1,400 listings, first by frequency, then by city, by state, is the largest, most up-to-date index by a coordinator published anywhere in the nation, and is updated every quarter.

Within the Journal is the Hamfest Calendar containing listings of over 130 hamfests in the eastern part of the United States. Dealers and professional fleamarketeers use this Calendar as their "Bible" for planning their hamfest attendance each year.

Updated Volunteer Examination schedules list over 200 examination dates covering 9 states.

The Repeater Journal is mailed free to all members of SERA. In addition, copies are mailed to all other News publications, the ARRL, FCC, Congressional and Senatorial representatives. Other Coordination Councils across the nation also get the Journal.

In 1989 the Journal was offered to Dealers for resale and is now available at over 20 dealer's stores and at hamfests across the SERA territory.

Memberships in SERA

FULL MEMBERSHIP... Yearly cost is $15.00 - January through December. This membership is for repeater owners or club sponsored repeaters. Two representatives are named along with each full membership to

receive the Journal (Clubs or individuals owning more than one repeater may list all of them under one membership) They are entitled to vote in any election, and are eligible to hold any elective office. The repeater(s) are listed in the Journal as SERA Full Members.

ASSOCIATE MEMBERSHIP... Yearly cost is $6.00 and expires 12 months from date of joining. This membership is for repeater users or any other persons interested in supporting the organization and receiving the Repeater Journal. Associate members have no voting privileges, and are not qualified for any elected office, but may hold any appointive office within the organization.

H.O.T.P. ASSOCIATE MEMBERSHIP... Yearly cost is $12.25. HOTP (hot off the press) is the same as Associate Membership, however, these members have their Repeater Journals mailed the date it comes from the printer via First Class Mail. Regular associates receive their Journals via Second Class Bulk Mail.

Strengths of SERA

The items we think have added to our strengths, or at least refrained from destroying us as we grew through the years:

1. The type of self government that we use -- where each district is responsible for their own coordination and solutions of other problems, led by a director who is elected by and from among the voting full members in his home district alone. They hold an equal seat on the central board of directors controlling overall policy, etc.

2. Allowing voting privileges only to repeater owners, or of course named representatives of repeater-owning clubs. We have found these people, each of whom represent a significant financial investment in repeaters per se, are generally more responsible and less radical in their thinking than a cross section of the economy would represent.

3. Through the years we have been blessed with highly qualified volunteers serving unselfishly with their only motivation being the desire to see the task at hand timely accomplished in a manner of which we could all be proud.

4. Volunteer establishment, in the early seventies no less, of a database even at a time when the term was new enough to not be universally recognized, and at a net cost of zero to the organization -- the days before the computer craze!

5. Publication of the Repeater Journal is a very good example of the volunteers referred to. It not only serves as an excellent listing of frequency and location of all known repeaters in the area we coordinate, but is beyond value as a repetitive medium of communications with repeater owners and users in the entire area. The publication is accomplished almost exclusively with volunteer labor. The organization only has to pay for camera work, actual printing and mailing. The best way to get something published in the Journal is to send it to the editor -- it is just that simple! We feel the Journal belongs to the membership.

6. Strong financial support from the carefree repeater users through "associate" membership, is a very successful support for SERA. Carrying no voting privilege, but financially supporting the organization and receiving the Journal quarterly by "associates" has been one of our most valuable assets.

7. Through the years, we have had but a couple of times that there has actually been a second nominee for any office come election time. Generally, the officers or directors in place (in the form of a nominating committee) have asked a person they felt would contribute to SERA to accept nomination for the vacancy at hand. These decisions have proven popular with the membership by the lack of opposing nominations of others. This style has kept a congenial, but competent group in office. In one election, a few years ago, the incumbent was challenged unsuccessfully by a very capable individual with the result that after election was all over, the reelected incumbent promptly appointed the newly-defeated challenger to the post of Assistant Director and enlisted his aid in coordinating the District! These two still rub shoulders by common desire.

8. As the Officers are elected at the end of odd numbered years, and the Directors are elected at the end of even numbered years, any November Journal will explain the election process in detail and print the nomination form -- allowing any Full Member the chance to oppose the nominee named by a nomination committee if he wishes.

9. Any election is by mail only -- thereby making participation by all qualified individuals as convenient and inexpensive as possible, without the necessity of attending a meeting at which the election might be held. (districts cover several hundred miles from one side to the other)

10. Over the past few years, the FCC has extended more credibility to coordination than had previously been recognized. As SERA was already "in the business," this has served to greatly solidify the support of popular opinion we are so grateful to enjoy.

11. SERA coordinators have in place standard forms for "Requests for Frequency Coordination," "Approval of Coordinations," and other documents required to run a "tight ship." These forms are standardized throughout the organization, as approved by the full board.

12. SERA has established and maintained a

congenial relationship with virtually all contiguous areas, with our coordinators maintaining a high visibility by the listing of names, addresses and phone numbers on page one of any Repeater Journal. Possibly because of this, we find the coordinators of most adjoining areas have joined as associate members, thereby receiving their own copy of the Journal, giving them a strong insight as to what SERA is doing.

13 We feel the FCC credibility to coordination organizations, has been a factor that has contributed to SERA expansion, and vast Full Membership increases. We do not believe this situation has run its course. SERA has all the mechanics in place, which would allow any area to come under its umbrella, retain its own identify, yet benefit greatly--from our experience since 1971...for instance--

(a) Centralized data processing handled by professional data processing people with custom-written software to exactly fit our needs complete with periodic printouts furnished all concerned; data sheets mailed to individual repeater owners, containing all information our database has on them; tailored district maillists or labels for our directors; general membership rosters that may list in any fashion desired, full or associate, expired or non-expired--even the full roster dating back to 1971. Database operators work together with many Directors passing information and backing each other. These full databases, backed up on two computers receive quarterly information and then are passed back the individual Director computer databases.

(b) Incorporated as a "Not for Profit Corporation" persuant to Chapter 55A of the General Statutes of the State of North Carolina.

(c) Exempt from Federal Income Tax under Section 501(C)(3) of the Internal Revenue Code of 1954 as amended.

(d) Solid financing shepherded by a practicing Certified Public Accountant with more than 33 years experience, servicing as the organization's Treasurer and advisor.

Through all of this, SERA operates on the principles of letting the home folks lead the way in their respective areas without interference from outsiders (absolutely no politics) -- yet have available level headed and sound advice and/or consultations from others if and when asked. They have their "bible" comprised of the SERA By-laws, and the Coordination Policy, which provides their guidance. The rest is up to each individual State (District) leader and his state's repeater owners and users.

(Historical data is taken from early Repeater Journals, and from persons affiliated with the organization in the early days. Updates written by members of the Board. -Updated August 1992

Join SERA Today! Become An Associate Member And Get The Repeater Journal

If You Would Like To Become part of this Proud Organization, and give back a little for the privilege of clean-open repeater operation in your area - Please join us! We would be honored to have you as an Associate Member and get our Journal!

Mail This Application & check to:
SERA MEMBERSHIP
P.O. BOX 215
TOBACCOVILLE, N.C. 27050

Yes! I Want to Join SERA! Sign Me Up!

Please Make Check Payable to: SERA Membership

Name_____Call_____
Address_____Date_____
City_____State_____Zip_____
Phone ( )_____ ARRL Member [ ] Yes [ ] No
New Mbr [ ] Renewing [ ] HOT-P Mbr.. [ ]
$6.00 Per Yr. (Max 2 Yrs) $12.25 Yr (Max 1 Yr)
(Journal Mailed 3rd Class) Journal Mailed 1st Class)
$_____ Is Enclosed for _____ Year(s) Membership

9.475/4.475	CLA	SWEAT MT/MARIETT	GA
9.50 /4.50	MM	ALBANY	GA
	UWL	ATLANTA	GA
	APA	HENDERSON	KY
	MOP	LOUISVILLE	KY
	ICX	LEXINGTON	NC
	GYR	SUMTER	SC
	LSP	BRISTOL/HLST MT	TN
	KSL	KNOXVILLE	TN
	HEX	LYNCHBURG/TOBRMT	VA
	ZAI	MT. VERNON	VA
9.525/4.525	VF	GRETHEL	KY
	MRS	NEW HEBRON	MS
	PEN	RALEIGH	NC
	DCD	MYB BCH/BRKSVIL	SC
	PYI	NASHVILLE	TN
9.55 /4.55	JEH	CONYERS	GA
	KZY	TYRONE	GA
	KQ	LEWISPORT	KY
	VTE	GASTONIA	NC
	VM	ROANOKE RAPIDS	NC
	VM	ROANOKE RAPIDS	NC
	Y	COOKEVILLE	TN
	OGT	HAMPTON	VA
	AF	THE PENTAGON	VA
9.575/4.575	AQG	DOUGLASVILLE	GA
	MVY	PHELPS	KY
	SD	SALISBURY	NC
	WCK	NASHVILLE	TN
	DE	COLLINSVILLE	VA
9.60 /4.60	KMS	COVINGTON	GA
	NMC	LOUISVILLE	KY
	CO	JACKSON	MS
	BFB	CHARLOTTE	NC
	RVS	OXFORD	NC
	UDD	NORTH CHARLESTON	SC
	HAP	KNOXVILL/ENG MTN	TN
	JXI	MEMPHIS	TN
	HFH	ALEXANDRIA	VA
	SAD	SINGERS GLEN	VA
9.625/4.625	WQ	ATLANTA	GA
	QFL	HAWESVILLE	KY
	ZCD	HICKORY FLAT	MS
	OCF	RICHTON	MS
	DVN	LUMBERTON	NC
	TK	NASHVILLE	TN
	E	BLUEFIELD	VA
9.65 /4.65	IBW	SMYRNA	GA
	ST	HORN LAKE	MS
	MME	SALISBURY	NC
	NKM	GREENEVILLE	TN
	MWQ	#MCMINNVILLE/HF	TN
	OYS	SHORT MTN	TN
	ARO	RICHMOND	VA
	QC	#THOMAS	WV
9.675/4.675	EBZ	NEWNAN	GA
	VYX	PIKEVILLE	KY
	WGA	JACKSONVILLE	NC
	JMT	MYR BCH/CONWAY	SC
	AY	NASHVILLE	TN
	MIZ	NORFOLK	VA
9.70 /4.70	LUQ	DALLAS	GA
	ELN	VALDOSTA	GA
	AUN	LOUISVILLE	KY
	Y	JACKSON	MS
	YMY	#ANDERSON MTN	NC
	JEH	ROCKY MOUNT	NC
	PDQ	MARYVILLE	TN
	WWB	GATE CITY	VA
	LG	MORGANTOWN	WV
9.725/4.725	NFA	WATKINSVILLE	GA
	QDK	WINSTON-SALEM	NC
	RAV	BLUFF CITY	TN
	AKM	FRANKLIN	TN
9.75 /4.75	EMM	CONYERS	GA
	VZF	STARKVILLE	MS
	TC	HENDERSON	TN
	KQI	FOREST	VA
	JYF	TYSONS CORNER	VA
	BNW	CHARLESTON	WV
9.775/4.775	NEQ	ATLANTA/MARIETTA	GA
	YHH	KING	NC
	ATC	#RALEIGH	NC
	AKM	GALLATIN	TN
	G	PARKERSBURG	WV
9.80 /4.80	ELV	#CONYERS	GA
	ASI	COVINGTON	GA
	BEJ	ELIZABETHTOWN	KY
	CO	JACKSON	MS
	J	GREENVILLE	NC
	JXI	MEMPHIS	TN
	LP	MORRISTOWN	TN
	MIC	OILVILLE	VA
	G	BECKLEY/KINGSTON	WV
	CUL	MORGANTOWN	WV
9.825/4.825	DOC	ATLANTA	GA
	Q	SALEM	KY
	DSN	AMORY	MS
	UY	MT AIRY/FSH PK	NC
	FC	MEMPHIS	TN
	BGK	NASHVILLE	TN
	ZBP	STAUNTON	VA
9.85 /4.85	BZJ	DALTON	GA
	UM	MIDWAY	GA
	YUU	LEXINGTON	KY
	DU	INDIANOLA	MS
	WRE	POPLARVILLE	MS
	CQ	CHARLOTTE	NC
	GMP	WILMINGTON	NC
	NDQ	NORTON/HIGH KNOB	VA
	ARO	RICHMOND	VA
	KOU	VIENNA	VA
9.875/4.875	ELV	CONYERS	GA
	DW	RALEIGH	NC
	LRD	CHATTANOOGA	TN
	BOX	JACKSON	TN
	AKM	NASHVILLE	TN
	WTP	BIG "A" MTN	VA
9.90 /4.90	IVB	CORBIN	KY
	YWH	HIGHLAND HEIGHTS	KY
	D	ACKERMAN	MS
	DWT	ASHEVILLE	NC
	JMS	NEW BERN	NC
	J	WILSON	NC
	MMI	MEMPHIS	TN
	MMI	RAMER	TN
	IDG	WATERTOWN	TN
	FQR	WOODBRIDGE	VA
9.925/4.925	NNO	ATLANTA	GA
	PJR	JESUP	GA
	MKG	ASHLAND	KY
	WZH	GLASGOW	KY
	PYQ	SOUTHAVEN	MS
	TTE	VICKSBURG	MS
	XRY	MT. AIRY	NC
	BUH	ANDERSON/SAS MT	SC
	JMT	GEORGETOWN	SC
	VIH	DOVER	TN
	BON	ROANOKE/LONG RDG	VA
9.95 /4.95	I	AUGUSTA	GA
	MU	PERRY	GA
	EJA	LEXINGTON	KY
	DW	DALLAS/CHARLOTTE	NC
	SIR	BENTON/BEAN MT	TN
	GP	CLARKSVILLE	TN
	NNE	MEMPHIS	TN
	WRN	STAUNTON	VA
	KXV	VIRGINIA BEACH	VA
	CQV	SO. CHARLESTON	WV
9.975/4.975	YNZ	ATLANTA	GA
	TVE	BRUNSWICK	GA
	TAT	ASHLAND	KY
	CWF	NICHOLASVILLE	KY
	AGD	JACKSON	MS
	ZTJ	POLKVILLE	NC
	LP	MORRISTOWN	TN
	AKM	NASHVILLE	TN
	AZJ	PEARISBURG	VA
2.075/7.075	GYM	COLUMBIA	SC
3.375/8.375	HTA	CHANTILLY	VA
3.85 /8.85	YSV	WALUSKA/PINE LOG	GA
3.975/8.975	SDE	WOODFORD	VA
4.175/9.175	O	WINCHESTER	VA
4.225/9.225	JCE	MANASSAS	VA
4.60 /9.80	SJH	SPRINGFIELD	KY
4.725/9.725	KHP	LORTON	VA
4.775/9.775	KHP	FAIRFAX	VA
4.825/9.825	DOC	ATLANTA	GA
	KHP	SPRINGFIELD	VA
4.875/9.875	DCS	ARLINGTON	VA
	DCS	WOODBRIDGE	VA
4.925/9.925	TSC	BLUEMONT	VA
6.25 /1.25	GVK	ALEXANDRIA	VA
	HEX	LYNCHBURG	VA
7.25 /ACON	NEQ	ATL/MARIETTA	GA

920 MHZ

2.28 /EACON	MW	MEMPHIS	TN
7.10 /9.10	BZJ	DALTON	GA
7.60 /9.60	CCF	ALEXANDRIA	VA
8.80 /0.80	LP	MORRISTOWN	TN
8.90 /0.90	TT	ROANOKE	VA
9.00 /1.00	OSI	FOREST	VA
9.10 /1.10	ZMS	LYNCHBURG	VA
0.25 /3.25	ZGA	NASHVILLE	TN

1270 MHZ

7.25 /9.25	MEY	NASHVILLE	TN
1.40 /1.40	DOC	ATL/CHESTNUT MT	GA
0.80 /2.60	CCF	ALEXANDRIA	VA
1.02 /1.02	DBB	ROANOKE/POOR MTN	VA
1.40 /1.40	DOC	ATLANTA	GA
2.00 /2.00	KIN	ATLANTA/BELL	GA
	MW	MEMPHIS	TN
	S	TYSONS CORNER	VA
2.10 /2.10	LEW	MCLEAN	VA

ARRL, Others On Record Supporting Special Calls

-From ARRL Letter

The ARRL has joined several others who have written the FCC in support of granting special amateur call sign requests.

Representative Ralph M. Hall of Texas and Rep. Edward J. Markey of Massachusetts, members of the House Telecommunications and Finance Subcommittee both wrote the FCC "on behalf of several Amateur radio operators who are interested in the establishment of an FCC system for allotting distinctive call signs."

Shortly after, ARRL President George Wilson III, W4OYI wrote to FCC Chairman Alfred Sikes, reiterating the League's position.

The League said it would be pleased to work with FCC staff in developing a fair, workable system for assigning specific, unassigned Amateur Radio call signs. The ARRL said it opposed the imposition of fees that would discourage individuals from obtaining an amateur license or from upgrading their skills, they had no opposition to the funding of a callsign assignment program.

There has been no response from the Commission as of yet to the letters.

Education Net Planned For Local Area Schools

-by Carl Fenske, KC4WGA

I am interested in creating a weekly Education Net on 2 meters with Hams and schools across North Carolina.

The purpose of the net would be to promote Amateur Radio in the schools, and for teachers and students to share and exchange ideas via Ham Radio.

In order to do this, we need Hams in the schools. A few schools may have a Ham Radio operator on staff, but most don't know the excitement and educational capability that Amateur Radio can bring to the students! It will be up to us to get Ham Radio in the schools.

We will also need to cooperation of local repeater sponsors who would be willing and able to link-up with other repeaters in the state.

If you are interested in promoting Amateur Radio in the classroom, either by taking Ham Radio into the schools or by working to coodinate the repeaters, please contact me at: *Greensboro Day School, P. O. Box 26805, Greenboro, NC 27429-6805, or call (919) 288-8590.*

Space Rules Changed

-Tnx ARRL Letter

The FCC has amended its rules to allow all amateurs to operate from space, regardless of their license class.

Formerly, only Amateur Extra class licensees were permitted such operation and waivers had to be obtained for ham-astronauts holding other classes of license.

1993 Hamfest Calendar To Be Published in November Journal

Hamfest sponsors are urged to get their 1993 hamfest dates into the Editor prior to October 15th to be included in the November Repeater Journal. The listing is free and will run up to and including the issue prior to the hamfest date.

Repeater Journal Deadlines

The Repeater Journal is published in February, May, August and November of each calendar. NEWS and ADVERTISING deadlines are both on the 1st of the month prior to month of publication. In addition, new ad insertions, or new advertisers must reserve space the 20th of the month prior to the 1st deadline. Copy will then be due on the regular deadline: Which are, Jan. 1, Apr. 1, July 1 and Oct. 1.

SERA REPEATER INDEX LISTINGS BY CITY - BY STATE

GEORGIA REPEATERS

10 METERS

ALBANY	W4MM	29.58	29.68	N	L
ATL/MARIETTA	N4NEQ	29.54	29.64	*	L
DALTON	N4BZJ	29.58	29.68	*	AL

6 METERS

ATL/MARIETTA	N4NEQ	52.09	53.09	*	L
AUGUSTA	K4EDU	52.03	53.03	*	
CARTERSVILLE	WB4AEG	52.07	53.07	N	PR
CONYERS	WB4JEH	52.55	53.55	*	
DALTON	N4BZJ	52.13	53.13	*	PR
PINE LOG MT	WB4UPC	52.05	53.05	N	L
PINE LOG MT.	KE4PN	52.29	53.29	*	L
VALDOSTA	KB0Y	52.89	53.89	N	

2 METERS

ADAIRSVILLE	WD4IWL	146.085	146.685	N	PL
ADEL	KF4JF	144.53	145.13	N	
ALBANY	W4MM	144.55	145.15	N	L
ALBANY	W4MM	146.10	146.70	N	A
ALBANY	W4MM	146.13	146.73	N	
ALBANY	W4MM	146.22	146.82	N	
ALBANY	W4MM	147.72	147.12	N	K
ALBANY	WB4TFW	147.75	147.15	N	
AMERICUS	WD4EBB	147.87	147.27	N	B
ASHBURN	WD4EVD	147.885	147.285	*	P
ATHENS	WA4BKF	146.145	146.745	*	P
ATHENS/CRAWFORD	K4TQU	147.975	147.375	*	
ATL/UNION CITY	WA4UPE	146.025	146.625	*	
ATLANTA	W4AQL	144.55	145.15	N	PEB
ATLANTA	K4DRQ	144.69	145.29	*	B
ATLANTA	W4DOC	144.75	145.35	*	
ATLANTA	W4DOC	144.75	145.35	N	
ATLANTA	WB4QGR	146.04	146.64	N	T
ATLANTA	W4DOC	146.22	146.82	*	EP
ATLANTA	K4CLJ	146.37	146.97	*	T
ATLANTA	WA4NNO	146.40	147.00	N	P
ATLANTA	K4YSB	147.705	147.105	N	Y
ATLANTA	KN4B	147.795	147.195	N	T
ATLANTA	WD4KDT	147.855	147.255	*	BELP
ATLANTA/AIRPORT	W4REI	147.63	147.03	N	
ATLANTA/BELL	W4PME	144.81	145.41	*	BEP
ATLANTA/GPCO	WA4VBX	147.885	147.285	*	
ATLANTA/MARIETTA	N4NFP	146.055	146.655	*	ABLRT118.8
ATLANTA/MARIETTA	N4NEQ	147.945	147.345	*	ELRP118.8
ATLANTA/SWEAT MT	KD4NC	146.13	146.73	N	LK
AUGUSTA	W4TUN	144.51	145.11	N	A
AUGUSTA	AA4UA	144.77	145.37	*	A
AUGUSTA	W4DV	144.89	145.49	*	AB
AUGUSTA	W4LWT	146.04	146.64	*	K
AUGUSTA	KT4N	146.34	146.94	N	
AUGUSTA	NA4I	146.385	146.985	*	BELP
AUGUSTA	NI4S	147.72	147.12	N	P
AUGUSTA	N4BMA	147.78	147.18	N	Y
BALDWIN	WD4NHW	147.78	147.18	*	A
BONAIRE	KM4DT	147.615	147.015	N	
BOSTON	W4UCJ	147.795	147.195	*	ABE
BRNSWK/JEKYLL IS	KB4PXX	144.81	145.41	*	
BRUNSWICK	K4TVE	146.13	146.73	N	A
CALHOUN/JASPER	KC4AQS	147.405	146.805	*	PLBR
CARROLLTON	W4FWD	146.04	146.64	*	BET131.8
CARTERSVILLE	N4GIS	146.415	147.015	*	O
CEDARTOWN	W4CMA	147.72	147.12	*	P
#CLARKESVILLE	K4HCA	147.72	147.12	*	UNCOORD.
CLAYTON	WA4BLQ	144.85	145.25	*	
CLEVELAND/LONG	WB4HIG	146.31	146.91	*	A
CLEVELAND/LONG	K4FOW	147.615	147.015	*	
COCHRAN	N4MXC	144.51	145.11	*	ABE
COLUMBUS	KA4CEK	144.71	145.31	N	
COLUMBUS	W4CVY	146.01	146.61	*	A
COLUMBUS	W4CVY	146.28	146.88	*	
CONYERS	WB4JEH	144.63	145.23	*	
CONYERS	WB4JEH	146.01	146.61	*	T151.4
CONYERS	N4EMM	147.81	147.21	*	PEB
COOLIDGE	N4JBF	144.57	145.17	N	PR
CORDELE	WA4RWS	144.89	145.49	*	
COVINGTON	WA4ASI	146.325	146.925	*	AL
#COVINGTON	WA1KMS	147.87	147.27	*	UNCOORD.
CUMMING/SAWNEE	K4BYK	147.75	147.15	*	PL
DAHLONEGA	N4KHQ	147.435	146.835	*	A
DALLAS	K4DVJ	146.25	146.85	N	PE
#DALLAS	WD4LUQ	147.495	146.895	*	UNCOORD.
DALTON	KE4UJ	144.63	145.23	N	A
DALTON	N4BZJ	147.735	147.135	*	ELT100.0
DECATUR	W4BOC	144.85	145.45	N	
DOUGLASVILLE	N4UOX	144.51	145.11	*	P
DOUGLASVILLE	WA4CLC	147.96	147.36	*	
DUBLIN	WA4HZX	147.96	147.36	N	A
EASTMAN	K4KEC	144.61	145.21	*	
EATONTON	KC4YHM	147.69	147.09	*	AE
ELBERTON	N4UJT	146.025	146.625	N	
#ELLIJAY-BUCK MT	N4YYD	144.65	145.865	*	UNCOORD.
ELLIJAY/TALONA M	W4HHH	146.385	146.985	*	AB
EVANS	N4TDL	146.28	146.88	*	
FAYETTEVILLE	W4PSZ	144.61	145.21	*	PE
FAYETTEVILLE	K4UWN	146.085	146.685	*	
FOLKSTON	K4DMK	146.19	146.79	N	
FORSYTH	W4SPJ	147.315	147.915	N	NB
FORSYTH	KB4KIN	147.765	147.165	*	PL
GAINESVILLE	W4NSO	146.07	146.67	*	PET131.8
GRIFFIN	K4HYB	144.79	145.39	*	P
GRIFFIN	K4HYB	146.31	146.91	*	
HARTWELL	WA4RBS	146.295	146.895	N	B
HINESVILLE	KK4UV	144.87	145.47	*	AB
IRWINTON	WB4NFG	147.84	147.24	N	
JASPER	KB4IZF	144.77	145.37	N	RPLB
JASPER	W4OOM	146.10	146.70	*	
JEFFERSON	KB4ZUN	147.825	147.225	N	
JESUP	WA4EQL	146.07	146.67	N	
JESUP	N4PJR	146.325	146.925	*	P
JESUP/SCREVEN	N4PJR	147.945	147.345	*	
JONESBORO	WA4DIW	144.57	145.17	*	E
JONESBORO	WA4OGE	144.73	145.33	*	E
LAFAYETTE	KB4VAK	147.975	147.375	*	A
LAGRANGE	KO4R	146.25	146.85	N	O
LAGRANGE	WB4BXO	147.93	147.33	N	
LAVONIA	K4NVG	146.115	146.715	*	BEPT100.0
LAWRENCEVILLE	WD4JXR	147.675	147.075	*	EP
MACON	WB4OLL	144.83	145.43	*	PLR
MACON	W4BKM	146.06	146.66	*	NBP
MACON	N3SM	146.295	146.895	*	AT151.4
MACON	WA4DDI	147.66	147.06	N	T
MADISON	WB4DKY	146.265	146.865	N	A
MARIETTA	K4LCI	144.83	145.43	N	E
MARIETTA	WA4QPL	144.89	145.49	*	PE
MARIETTA	N4NFP	146.175	146.775	*	BLRPT118.8
MARIETTA	W4IUD	146.28	146.88	*	
METTER	W4TYM	147.645	147.045	N	ABE
MIDWAY	KF4UM	147.615	147.015	*	O
MILLEDGEVILLE	KF4IJ	144.55	145.15	N	PT
MILLEDGEVILLE	WB4DOJ	146.10	146.70	*	EL
MILLEDGEVILLE	KD4IEZ	146.205	146.805	*	
MILLEDGEVILLE	K4FRM	147.735	147.135	*	
MORGANTON	K5GBS	146.475	147.075	N	
MOULTRIE	WD4KOW	146.19	146.79	N	
NEWNAN	K4SEX	144.53	145.13	*	BP
NEWNAN	K4SEX	146.19	146.79	*	BP
PEMBROKE	WB4CJB	147.675	147.075	N	A
PERRY	KB4KIN	146.355	146.955	*	PL
PERRY	AC4MU	147.90	147.30	*	ABER
PINE MT/HAMILTON	WB4ULJ	144.59	145.19	N	
PRESTON	WB4TOV	146.385	146.985	N	
QUITMAN	W4FGH	146.28	146.88	N	
RINGGOLD	W4ABZ	146.115	146.715	N	
ROCHELLE	WB4OQX	146.40	147.00	*	B
ROCKY TOP MT	K5PRE	146.355	146.955	N	
ROME	WB4YSV	147.90	147.30	N	
ROME/MT. ALTO	W4VO	146.34	146.94	*	P
ROSSVILLE	W4FGQ	144.75	145.35	*	
ROSWELL	N4CLA	147.66	147.06	*	PE
SANDERSVILLE	N4CGV	144.67	145.27	N	P
SAVANNAH	KK4TO	146.10	146.70	*	PE
SAVANNAH	W4HBB	146.28	146.88	N	AB
SAVANNAH	W4HBB	146.37	146.97	N	AB
SAVANNAH	KK4TO	147.81	147.21	*	PE
ST SIMONS ISL	KA4CVE	147.69	147.09	N	
ST. MARYS	KA4UUB	146.385	146.985	N	
STATESBORO	NC4D	147.705	147.105	N	
STOCKBRIDGE	WA4JDR	144.71	145.31	N	
STONE MT	W4BOC	146.16	146.76	N	
SUMMERVILLE	KA4LVY	147.825	147.225	*	A
SWAINSBORO	K4VYX	146.19	146.79	N	O
SWEAT MT/MARIETTA	N4CLA	144.87	145.47	*	PE
SYCAMORE	KF4BI	147.78	147.18	N	
THOMASTON	K4IMK	147.99	147.39	N	
THOMASVILLE	W4UCJ	147.66	147.06	*	
THOMSON	KC4GSS	146.235	146.835	*	A
TOCCOA	KA4DIP	147.93	147.33	*	
TWIN CITY	N4REB	147.915	147.315	N	PR
VALDOSTA	N4ELN	146.16	146.76	N	PT
VALDOSTA	KB0Y	147.735	147.135	N	A
VIDALIA	N4JWP	146.025	146.625	*	A
WALESKA/PNLGMT	KE4PN	144.67	145.27	*	L
WARM SPRINGS	KN4FE	146.385	146.985	N	BE
WARNER ROBINS	WB4BDP	146.01	146.61	*	A
WARNER ROBINS	WA4QWI	146.25	146.85	*	P
WATKINSVILLE	N4NFA	147.645	147.045	N	RPEL
WAYCROSS	KD4CEX	146.04	146.64	*	A
WAYNESBORO	WD4COL	144.63	145.23	N	
WRENS	KB4NA	146.175	146.775	*	
WRIGHTSVILLE	WA4RVB	146.34	146.94	N	AL

220 MHZ

ALPHARETTA	KC4JNN	223.26	224.86	*	ABELRT100.
ATL/CHESTNUT MT	W4DOC	222.96	224.56	N	L
ATL/MARIETTA	N4NEQ	222.84	224.44	*	BLRPT118.8
ATLANTA	N4BLR	222.68	224.28	N	
ATLANTA	W4DOC	222.74	224.34	*	
ATLANTA	W4DOC	222.96	224.56	*	
ATLANTA	KK4C	223.22	224.82	N	PLR
ATLANTA-NE	KC4OVY	222.60	224.20	N	BEP
ATLANTA/BELL	W4ZTL	223.02	224.62	*	
ATLANTA/MARIETTA	N4NFP	222.52	224.12	*	ABLRT118.1
AUGUSTA	AA4UA	222.60	224.20	*	A
AUGUSTA	WB4KXO	223.34	224.94	*	P
BALDWIN	WS4F	222.50	224.10	*	
BRUNSWICK	N3GLC	222.58	224.18	N	
CARTERSVILLE	N4GIS	223.00	224.60	*	
CLAYTON	WD4MBK	223.12	224.72	*	
CLEVELAND	N4RBT	222.78	224.38	N	P
CONYERS	WB4JEH	222.54	224.14	*	
CUMMING	K4JSR	223.38	224.98	*	PL
DALLAS	N4YDX	222.58	224.18	*	BELP
DALTON	N4BZJ	222.76	224.36	*	T88.5
DALTON	N4BZJ	223.06	224.68	N	
DALTON	N4KVC	223.14	224.74	*	ER
#ELLIJAY-BUCK MT	N4YYD	222.64	224.24	*	UNCOORD.
HIRAM	KC4PZD	223.10	224.70	N	B
HIRAM	N4ZJG	223.36	224.96	*	ABL
MACON	W4BKM	223.06	224.66	*	
MARIETTA	N4NEQ	222.62	224.22	N	L
MARIETTA	KV4L	222.66	224.26	N	BP
MARIETTA	WA4QPL	223.30	224.90	*	PE
NEW GEORGIA	WA4NEZ	222.90	224.50	*	AB
NORCROSS	KB4PRH	222.88	224.48	N	
PERRY	AC4MU	223.24	224.84	*	ABER
RINGGOLD	W4ABZ	223.04	224.64	N	P
ROCKMART	KC4KLW	223.18	224.78	*	
ROME	WB4YSV	222.82	224.42	N	
ROSSVILLE	KC4EV	223.34	224.94	N	
SASAFRAS MTN	KC4JNN	222.56	224.16	*	ABELRT100.
STONE MT	W4BOC	223.16	224.76	N	
THOMASVILLE	N4JBF	222.72	224.32	N	AL
VALDOSTA	N4ELN	222.86	224.46	N	
WALESKA/PNLGMT	N4KSM	222.92	224.52	*	A
YORKVILLE	WB4UPC	223.28	224.88	N	

440 MHZ

ALBANY	W4MM	439.25	427.25	N	V
ALBANY	W4MM	449.50	444.50	N	
ALPHARETTA	WB6RTH	447.00	442.00	N	AB
ATHENS	NB4X	448.30	443.30	N	
ATL/MARIETTA	N4NEQ	427.25	BEACON	*	VR
ATLANTA	W4DOC	444.825	449.825	N	NB
ATLANTA	WA4YNZ	447.975	442.975	*	TPL
ATLANTA	KE4ZV	448.85	443.65	N	K
ATLANTA	W4DOC	449.45	444.45	*	
ATLANTA	W4DOC	449.45	145.67	N	R
ATLANTA	WB4UWL	449.50	444.50	*	
ATLANTA	N4WQ	449.625	444.625	N	AO
ATLANTA	W4DOC	449.825	444.825	*	
ATLANTA	WA4NNO	449.925	444.925	N	
ATLANTA	WA4YNZ	449.975	444.975	*	PTLR
ATLANTA/BELL	W4ZTL	449.15	444.15	*	BEP
ATLANTA/MARIETTA	N4NFP	448.80	443.80	*	BLRPT118.8
ATLANTA/MARIETTA	N4NEQ	449.05	444.05	*	BT118.8
ATLANTA/MARIETTA	N4NEQ	449.775	444.775	*	ABLRP118.8
ATLANTA/STONE MT	W4BOC	449.25	444.25	N	
ATLANTA/SWEAT MT	WA4NMF	447.725	442.725	*	T
AUGUSTA	AA4UA	449.40	444.40	*	
AUGUSTA	NA4I	449.95	444.95	*	
BALDWIN	WD4NHW	447.35	442.35	*	
BRNSWK/JEKYLL IS	KB4PXX	439.25	421.25	*	V
BRUNSWICK	K4TVE	449.975	444.975	N	O
CALHOUN/JASPER	KC4AQS	448.375	443.375	*	BP
CHATSWORTH	N4OGF	448.00	443.00	N	
#CLARKESVILLE	K4HCA	447.425	442.425	*	UNCOORD.
CONYERS	WB4JEH	447.55	442.55	*	T151.4
CONYERS	WB4JEH	449.55	444.55	*	T151.4
CONYERS	N4EMM	449.75	444.75	N	PL
#CONYERS	KC4ELV	449.80	444.80	*	UNCOORD.

MORE GEORGIA REPEATERS

CONYERS	KC4ELV	449.875	444.875	N	BLP
COVINGTON	KL7TF	448.75	443.75	*	B
COVINGTON	WA1KMS	449.60	444.60	*	
COVINGTON	WA4ASI	449.80	444.80	*	ALT88.5
DACULA	KK4IN	448.55	443.55	*	ALR
DALLAS	WD4LUQ	449.70	444.70	*	BT77
DALTON	N4BZJ	449.85	444.85	*	
DECATUR	N3APR	447.20	442.20	N	A
DECATUR	KA4UFM	448.95	443.95	N	BEP
DECATUR	WB4LBM	449.20	444.20	N	
DOUGLASVILLE	WA4NEZ	447.50	442.50	*	AB
DOUGLASVILLE	N4AQG	449.575	444.575	*	B
#EATONTON	KC4YHM	447.925	442.925	*	UNCOORD.
ELLIJAY	W4HHH	447.70	442.70	*	C
ELLIJAY-BUCK MTN.	N4YYD	448.35	443.35	*	BEORP
GAINESVILLE	W4NSO	447.625	442.625	*	PET88.5
GRIFFIN	WB4DEB	448.90	443.90	N	PT
HAMILTON	WB4ULJ	449.40	444.40	N	BPR
HAMPTON	WB4DEB	448.125	443.125	N	
HAMPTON	N4RDM	448.40	443.40	N	PRP
HIGH HOUSE MTN	KD4APP	448.20	443.20	*	BL
HIGH PT/LOOKT MT	KB4VAK	448.45	443.45	*	ABRT88.5
JASPER	KB4MDE	448.425	443.425	N	
JASPER	KB4IZF	449.375	444.375	N	BPLR
JESUP	N4PJR	449.925	444.925	*	
JONESBORO	N4QCP	448.225	443.225	N	
LAVONIA	K4NVG	447.475	442.475	*	PB
LAWRENCEVILLE	WB4QDX	449.00	444.00	N	
LAWRENCEVILLE	KC4LU	449.40	444.40	*	B
MACON	K4VTT	447.275	442.275	*	ABELRT100.
MACON	N4IWK	447.875	442.875	N	P
MARIETTA	KM4BA	448.60	443.60	N	PT
MARIETTA	KM4BA	448.70	443.70	N	
MARIETTA	KM4BA	449.325	444.325	N	PTO
MIDWAY	KF4UM	449.85	444.85	*	A
MILLIDGEVILLE	N4EMM	447.75	442.75	*	RP
NEWNAN	N4EBZ	449.675	444.675	*	P
PERRY	AC4MU	449.95	444.95	*	
RINGGOLD	WA4LJU	448.925	443.925	N	
ROCKMART	KC4KLW	448.275	443.275	*	ABT179.9
ROCKMART	KC4KLW	448.525	443.525	*	
ROCKY FACE	AA4EO	447.175	442.175	N	
ROSSVILLE	N4PLP	447.125	442.125	N	C
SAVANNAH	WA4VHP	439.25	426.25	*	ABV
SAVANNAH	KC4AZU	447.70	442.70	N	C
SAVANNAH	WD4AFY	449.00	444.00	N	B
SMYRNA	N4IBW	449.65	444.65	N	
STOCKBRIDGE	N4JMD	448.325	443.325	N	PTL
STOCKBRIDGE	N4JMD	448.325	443.325	N	PTR
STONE MT	N4MSE	449.025	444.025	N	
SWEAT MT/MARIETT	N4CLA	449.475	444.475	*	EP
TIFTON	KF4JF	449.35	444.35	N	
TYRONE	KB4KZY	449.55	444.55	*	
VALDOSTA	N4ELN	449.70	444.70	N	T
WALESKA/PNLOG MT	KE4PN	448.85	443.85	*	L
WALUSKA/PINE LOG	WB4YSV	443.85	448.85	N	NB
WARM SPRINGS	N4UER	447.40	442.40	N	BE
WATKINSVILLE	N4NFA	449.725	444.725	N	RPEL

920 MHZ

DALTON	N4BZJ	907.10	919.10	*	PR

1270 MHZ

ATL/CHESTNUT MT	W4DOC	1291.40	1271.40	N	
ATLANTA	W4DOC	1271.40	1291.40	*	
ATLANTA/BELL	KB4KIN	1272.00	1292.00	*	

KENTUCKY REPEATERS

6 METERS

GUTHRIE	KA4ZKL	52.23	53.23	N	C
LOUISVILLE	WB4LBR	53.025	52.025	N	NB
STANTON	WD4KNE	52.81	53.81	N	P

2 METERS

ASHLAND	KD4SN	146.34	146.94	*	P
ASHLAND	KA4DII	147.84	147.24	N	P
ASHLAND	WA8KWH	147.93	147.33	N	A
BARDSTOWN	N4SRT	144.87	145.47	*	C
BAXTER	WM4H	147.78	147.18	N	A
BENTON	WG4U	147.72	147.12	N	
BEREA	KI4B	146.115	146.715	N	
BETSY LAYNE	WA4YCU	146.035	146.635	N	
BOWLING GREEN	WD4MNI	146.055	146.655	*	PER
BOWLING GREEN	KA4CLL	146.25	146.85	N	
CALVERT CITY	KA4KFD	147.705	147.105	N	AB
CAMPBELLSVILLE	WA4UXJ	146.04	146.64	N	
CLARKSON	N4PXK	144.89	145.49	N	
CORBIN	WD4KWV	146.01	146.61	*	P
COVINGTON	WB8NON	144.81	145.41	N	
COVINGTON	WB8NON	147.99	147.39	N	A
#DAWSON SPRINGS	N4STY	146.13	146.73	N	UNCOORD.
DEANE	AK4U	144.81	145.21	N	L
DIXON	N4IOX	147.855	147.255	N	CP
DORTON	WA4SWF	146.13	146.73	*	BR
ELIZABETHTOWN	W4BEJ	146.38	146.98	*	ABL
ELKHORN CITY	WB4WAU	147.60	147.00	N	
ERLANGER	N4BOP	144.81	145.21	N	
FAIR DEALING	N4AVE	147.84	147.24	N	
#FERN CREEK	WB4NSY	146.16	146.76	N	UNCOORD.
FRANKFORT	K4NGQ	147.075	147.675	N	
FRANKFORT	KC4AI	147.84	147.24	N	
GLASGOW	KF4DC	144.81	145.41	N	
GLASGOW	W4WZH	146.34	146.94	*	AB
GRAYSON	KF4JO	146.10	146.70	N	
GREENVILLE	WA4TTC	146.145	146.745	*	P
GRETHEL	KJ4VF	147.645	147.045	N	C
GUTHRIE	KA4NNE	146.205	146.805	*	L
HALLS GAP	WD8PRH	144.57	145.17	*	AL
HARLAN	WA4ZAC	147.69	147.09	N	
HAZARD	K4VHF	146.07	146.67	*	B
HENDERSON	W4KVK	144.89	145.49	N	
HENDERSON	K4DPP	146.37	146.97	N	
HIGHLAND HEIGHTS	W4YWH	146.19	146.79	*	
HIGHLAND HEIGHTS	K4CO	147.855	147.255	*	PT123.0
HOPKINSVILLE	WA4ZVL	147.63	147.03	*	A
INDEPENDENCE	K4JBV	146.295	146.895	*	A
IRVINGTON	WB4WVH	146.30	146.90	*	AE
#LA GRANGE	N4RBL	144.75	145.35	*	UNCOORD.
LA GRANGE	N4RBL	147.99	147.39	*	T151.4
LAWRENCEBURG	KK4PL	144.69	145.29	N	A
LEXINGTON	N4YUU	144.73	145.33	N	P
LEXINGTON	KC4TX	144.85	145.45	N	P
LEXINGTON	K4KJQ	146.16	146.76	N	PE
#LEXINGTON	W4AUZ	146.34	146.94	N	UNCOORD.
LEXINGTON	WB4FDK	147.615	147.015	N	
LEXINGTON	WA4HBM	147.765	147.165	N	
LITCHFIELD	KB4NFK	147.825	147.225	*	
LONDON	KC4ZFH	147.885	147.285	N	CT
LOUISVILLE	WB8PRH	144.63	145.23	*	L
LOUISVILLE	W4BDC	146.10	146.70	*	PEL
LOUISVILLE	W4OAU	146.28	146.88	*	P
LOUISVILLE	W4PJZ	147.63	147.03	*	BERPT151.4
LOUISVILLE	N4NMC	147.67	147.07	*	BEP
LOUISVILLE	W4CN	147.78	147.18	*	PE
LOUISVILLE	N4KWT	147.87	147.27	N	
LOUISVILLE	KQ9Z	147.96	147.36	*	A
LYNCH/BLACK MT	N4IZD	147.945	147.345	N	
MARION	KA4FGA	147.705	147.105	N	
MARION	KA4FGA	147.885	147.285	N	
MAYFIELD	WA4NAR	147.84	147.24	N	
MAYSVILLE	WA4WMM	144.87	145.47	*	BP
MAYTOWN	AK4U	146.28	146.88	N	PLR
MIDDLESBORO	W4PPM	146.175	146.775	N	
MONTICELLO	N4TLK	144.55	145.15	N	C
MOREHEAD	KJ4VF	144.53	145.13	N	CR
MOREHEAD	K4GFY	146.31	146.91	N	
MT. STERLING	WD4KNE	147.93	147.33	*	P
#MUHLENBERG CTY	WA4JSN	148.22	146.82	*	UNCOORD.
MURRAY	WB4NTB	146.34	146.94	*	A
NICHOLASVILLE	WB4CWF	144.89	145.49	N	PE
OWENSBORO	KN4KQ	146.085	146.685	*	ALR
OWENSBORO	NW4A	147.63	147.03	N	
OWINGSVILLE	N4TLP	147.675	147.075	*	A
OXFORD/LOUISVLLE	WD8PRH	144.63	145.23	*	AL
PADUCAH	K4CUW	146.16	146.76	N	
PADUCAH	W4WQ	147.66	147.06	N	
PAINTSVILLE	AK4U	146.19	146.79	N	PL
PAINTSVILLE	K4ICN	147.735	147.135	*	RL
PHELPS	KJ4YK	147.69	147.09	*	R
PIKEVILLE	N4IWZ	144.55	145.15	N	RPE
PIKEVILLE	KM4IV	146.25	146.85	N	ELR
PRESTONSBURG	WB4UBY	147.765	147.165	N	
PRESTONSBURG	AK4U	147.90	147.30	N	ERC
PRINCETON	W4KBL	146.07	146.67	N	
PROVIDENCE	N4IUI	147.93	147.33	N	
RABBIT HASH	WA4OCP	146.355	146.955	N	
RADCLIFF	W4BEJ	146.325	146.925	*	ABL41
SALEM	N4IL	147.915	147.315	*	P
SHELBYVILLE	KE4LR	147.60	147.00	*	BP
SOMERSET	N4AI	146.28	146.88	*	
SPRINGFIELD	WA4SJH	147.90	147.30	N	A
STANTON	KC4TUK	146.37	146.97	N	ARC
UNION CITY (TN)	WA4YGM	146.10	146.70	*	
VERSAILLES	WA4ZXK	146.13	146.73	N	O
WALTON	K4CO	147.975	147.375	*	
#WHTSBRG/PINE MT	WD4PDJ	147.99	147.39	N	UNCOORD.
WILLIAMSBURG	KG4M	147.60	147.00	N	
WINCHESTER	WB4ASZ	147.72	147.12	*	EP

220 MHZ

ASHLAND	KC4QK	222.34	223.94	N	
AUGUSTA	KC4UXD	222.32	223.92	N	PC
JARVIS	KB4PNG	223.38	224.98	N	ALR
LEXINGTON	WB8VMI	222.14	223.74	*	
LEXINGTON	N4YUU	223.34	224.94	N	
LOUISVILLE	KA4MKT	222.70	224.30	N	
LOUISVILLE	KB4VEZ	222.82	224.42	*	P
LOUISVILLE	W4MOP	223.22	224.82	N	P
PIKEVILLE	WB4F	222.98	224.58	N	
PIKEVILLE	N4ETG	223.02	224.62	N	A
SOMERSET	N4AI	222.70	224.30	*	C ER
SOMERSET	N4AI	223.28	224.88	*	C
VERSAILLES	WA4ZXK	222.82	224.22	N	PER

440 MHZ

ASHLAND	KA4MKG	449.925	444.925	N	C
ASHLAND	WB4TAT	449.975	444.975	*	
BOWLING GREEN	WD4MNI	449.10	444.10	*	ACL
CORBIN	WB4IVB	449.90	444.90	*	CR
DORTON	KJ4VF	448.25	443.25	N	CR
ELIZABETHTOWN	KE4NS	439.250	421.250	*	V
ELIZABETHTOWN	W4BEJ	449.80	444.80	*	ABL
GLASGOW	W4WZH	449.925	444.925	*	
GLASGOW/CVCTY	KF4DC	449.25	444.25	N	
GRETHEL	KJ4VF	449.525	444.525	N	
HAWESVILLE	KB4QFL	449.625	444.625		CP
HENDERSON	N9APA	449.50	444.50	N	
HIGHLAND HEIGHTS	K4CO	449.35	444.35	*	PT123.0
HIGHLAND HEIGHTS	W4YWH	449.90	444.90	*	C
JENKINS	KK4WH	449.30	444.30	N	PLRC
LA GRANGE	N4RBL	447.45	442.45	*	BCPT151.4
#LA GRANGE	N4RBL	449.40	444.40	*	UNCOORD.
LATONIA	AA4XV	447.40	442.40	N	P
LEWISPORT	KN4KQ	449.55	444.55	*	ALR
LEXINGTON	N4YUU	449.85	444.85	N	
LEXINGTON	WD4EJA	449.95	444.95	N	
LOUISVILLE	N4ORL	447.00	442.00	N	RP
LOUISVILLE	N4KWT	447.225	442.225	N	
LOUISVILLE	WA4MLF	447.50	442.50	*	ALT146.2
LOUISVILLE	KB4YJ	447.725	442.725	N	CT
LOUISVILLE	WD9EQC	448.50	443.50	N	
LOUISVILLE	KA4WTT	449.10	444.10	*	ERPT173.8
LOUISVILLE	WB4ZZD	449.30	444.30	N	
LOUISVILLE	W4MOP	449.50	444.50	N	P
LOUISVILLE	N4NMC	449.60	444.60	*	BEP
LOUISVILLE	WA4AUN	449.70	444.70	N	
LYNCH/BLACK MT	N4IZD	448.10	443.10	N	
MAYTOWN	AK4U	449.20	444.20	N	L
META	WB4UBY	448.50	443.50	N	
NICHOLASVILLE	WB4CWF	449.975	444.975	N	CR
OAK LEVEL	NN2E	449.20	444.20	*	T173.8
OWENSBORO	WB4AOH	439.25	427.25	N	V
PHELPS	N4MVY	449.575	444.575	N	
PIKEVILLE	KC4VYX	449.675	444.675	N	
SALEM	WA4Q	449.825	444.825	*	
SPRINGFIELD	WA4SJH	444.60	449.60	N	
STANTON	N4VOS	447.075	442.075	N	CRP
UNION	KC4COV	449.175	444.175	*	AR

MISSISSIPPI REPEATERS

10 METERS

POPLARVILLE	WA5WRE	29.52	29.62	N	O

2 METERS

ABERDEEN	WB5USN	147.87	147.27	N	A
ACKERMAN	NO5N	147.72	147.12	N	
AMORY	KB5DWX	146.34	146.94	N	A
AMORY	KB5DSN	147.69	147.09	N	
BAY ST. LOUIS	K5GY	146.10	146.70	N	
BAY ST. LOUIS	K0VNO	146.25	146.85	N	
BILOXI	KC5IF	146.13	146.73	*	APER
BILOXI	K5TYP	146.19	146.79	N	AB
BOONEVILLE	WB5UVT	144.59	145.19	N	AB
BUDE	K5JMD	146.25	146.85	N	
CHATAWA	WB5GOJ	144.71	145.31	*	PR
CLEVELAND	K5BWW	146.25	146.85	N	
CLINTON	AA5JC	147.945	147.345	N	PR
COLUMBIA	KB5EZN	147.885	147.285	N	P
COLUMBUS	KA5LVU	144.83	145.43	N	A
COLUMBUS	N5NKZ	147.60	147.00	N	A
CORINTH	WB5VQJ	146.325	146.925	N	
CORINTH	K5UFH	146.40	147.00	N	
CORINTH	KB4CTS	147.885	147.285	N	
D'IBERVILLE	KC5IF	144.81	145.41	*	APER
ELLISVILLE	N5DWU	147.465	146.865	N	PLT
ESCATAWPA	W5OXA	147.825	147.225	N	L

This SERA Official Repeater Index Reflects Changes thru July 20, 1991

MORE MISSISSIPPI REPEATERS

FULTON	N5VGK	144.89	145.49	N	A
GREENVILLE	WA5MBA	146.22	146.82	N	A
GREENWOOD	KA5TQY	146.115	146.715	N	
GRENADA	WB5LVA	146.10	146.70	N	
GULFPORT	KA5CYR	144.73	145.33	*	ABE
GULFPORT	KA5VFU	147.975	147.375	*	L
HATTIESBURG	KA5NNX	144.77	145.37	N	
HATTIESBURG	W5CJR	147.96	147.36	*	
HERNANDO	K5VV	146.31	146.91	N	A
INVERNESS	WA5UDQ	147.78	147.18	N	
ISOLA	KC5OB	146.355	146.955	*	
IUKA	WB5MFK	146.25	146.85	N	A
JACKSON	KF5PS	146.04	146.64	N	E
JACKSON	W5AXQ	146.16	146.76	N	
JACKSON	KB5HAV	146.28	146.88	N	ABE
JACKSON	KA5SBK	146.34	146.94	N	BET100.0
JACKSON	NC5Y	147.675	147.075	N	AT
JACNITO	WB5HKK	147.75	147.15	N	A
KOSCIUSKO	W5LWC	146.25	146.85	N	
LAUREL	N5KKG	146.01	146.61	*	A
LAUREL	WV5D	146.43	147.03	N	
LAUREL	KC5RC	147.855	147.255	N	
LOUISVILLE	KB5PKU	147.96	147.36	*	A
MAGEE	KG5MZ	146.22	146.82	N	TLC
MAGEE	KA5LNY	147.90	147.30	*	P
MCCOMB	K5JMD	146.34	146.94	N	A
MCHENRY	KA5CYR	147.93	147.33	*	B
MENDENHALL	K5HYE	144.51	145.11	*	O
MERIDIAN	W5DEJ	146.10	146.70	*	A
MERIDIAN	KA5MJM	146.37	146.97	N	RP
MONTICELLO	N5JHK	147.615	147.015	N	PR
MOOREVILLE	WB5NAY	146.04	146.64	N	A
NATCHEZ	W5KHB	146.085	146.685	*	
NATCHEZ	K5OCM	146.31	146.91	N	A
NATCHEZ	K5SVC	147.96	147.36	N	
NEW ALBANY	N5CAX	146.07	146.67	N	AB
NEW HEBRON	N5MRS	147.69	147.09	N	AEATLRB
OCEAN SPRINGS	W5LDD	147.63	147.03	*	AB
OLIVE BRANCH	KA5WMH	144.75	145.35	N	C
PASCAGOULA	N5AAY	146.28	146.88	N	A
PASCAGOULA	KB5KYB	146.37	146.97	N	
PEARL	N5III	147.75	147.15	N	
PETAL	N5LRQ	147.735	147.135	N	
PHILADELPHIA	N5EPP	147.93	147.33	*	
PICAYUNE	K5LFP	144.55	145.15	N	A
PONTOTOC	WB5NAY	147.98	147.38	N	
POPLARVILLE	WA5WRE	144.61	145.21	N	OA
PORT GIBSON	KE5WO	146.025	146.625	N	
PRENTISS	WB5UNA	147.99	147.39	N	
RICHTON	N5OCF	147.66	147.06	*	
SENATOBIA	KB5DMT	146.385	146.985	N	
SOUTHAVEN	N5PYQ	144.77	145.37	N	O
STARKVILLE	W5VZF	146.13	146.73	*	
TUPELO	AI5R	147.84	147.24	N	A
VICKSBURG	WJ5L	144.69	145.29	N	
VICKSBURG	WB5SXK	147.87	147.27	N	
WALLS	N5NBG	144.67	145.27	*	
WARSAW	N4DRL	147.825	147.225	*	
WATER VALLEY	WB5QFX	146.40	147.00	N	
WAYNESBORO	N5HXG	147.705	147.105	N	PR
WEST POINT	KO5S	146.19	146.79	N	A
WIGGINS	KB5DZJ	144.67	145.27	*	ABL
WINONA	N5DHS	146.37	146.97	N	A

220 MHZ

ACKERMAN	NM5D	223.18	224.78	N	
ACKERMAN	NM5D	223.22	224.82	N	
BAY ST. LOUIS	K5GY	223.10	224.70	N	
BAY ST. LOUIS	K0VNO	223.28	224.88	N	
BILOXI	K5TYP	222.90	224.50	N	
ELLISVILLE	N5DWU	222.80	224.40	N	PL
GLEN	KA5RPB	223.92	224.52	N	
PASCAGOULA	KB5KYB	222.72	224.32	N	PR
PONTOTOC	KE5ST	223.30	224.90	N	

440 MHZ

ACKERMAN	NM5D	448.65	443.65	N	
ACKERMAN	NM5D	449.90	444.90	N	
AMORY	KB5DSN	449.825	444.825	N	
CLERMONT HARBOR	WD5BJT	449.15	444.15	N	AL
ELLISVILLE	N5DWU	448.90	443.90	N	AE
GULFPORT	KA5CYR	449.25	444.25	*	ABE
HICKORY FLAT	W4ZCD	449.625	444.625	N	
HORN LAKE	KE5ST	449.65	444.65	N	
INDIANOLA	AB5DU	449.85	444.85	N	
JACKSON	KA5WRX	449.00	444.00	N	
JACKSON	KB5LCL	449.45	444.45	N	T141.3
JACKSON	KB5CO	449.60	444.60	N	PT
JACKSON	NC5Y	449.70	444.70	N	
JACKSON	KB5CO	449.80	444.80	N	
JACKSON	KA5AGD	449.975	444.975	N	
LAUREL	AJ0X	448.50	443.50	*	ABER
MENDENHALL	K5HYE	448.60	443.60	*	BR
MERIDIAN	WA5WUX	449.10	444.10	N	PEL
MERIDIAN	KB5LTW	449.40	444.40	N	BER
NATCHEZ	N5IAT	448.80	443.80	N	A
NEW ALBANY	WB5YCR	449.15	444.15	N	O
NEW HEBRON	N5MRS	449.525	444.525	N	A
POPLARVILLE	WA5WRE	449.85	444.85	N	
RICHTON	N5OCF	449.625	444.625	*	RP
SOUTHAVEN	N5PYQ	449.925	444.925	N	
STARKVILLE	W5VZF	449.75	444.75	*	PR
VICKSBURG	WB5TTE	449.925	444.925	N	PR

NORTH CAROLINA REPEATERS

10 METERS

BALD CREEK	N1BEC	29.56	29.66	N	
NEWPORT	K4GRW	29.56	29.66	N	PR
WILKESBORO	KC4XE	29.52	29.62	*	L
WILSON	WD4IDA	29.54	29.64	N	

6 METERS

BALD CREEK	N1BEC	52.03	53.03	N	
GRANDFATHER MTN	WA4PXV	52.05	53.05	*	RL
MARS HILL	WB4PLA	52.09	53.09	*	CP
NEWPORT	K4GRW	52.01	53.01	N	PR
RALEIGH	WA4PEN	52.03	53.03	*	O
RALEIGH/BUTNER	WB4RZF	52.25	53.25	N	C
ROCKY MOUNT	N4YTU	52.59	53.59	N	
SAURATOWN MT	N4QLX	52.21	53.21	N	
STATESVILLE	WA4WRS	52.67	53.67	*	C
THOMASVILLE	K4AZA	52.525	52.525	*	RB

2 METERS

AHOSKIE	WB4YNF	144.53	145.13	*	A
AHOSKIE	WA4ZGQ	146.31	146.91	*	P
ALBEMARLE	K4OGB	146.385	146.985	*	A
ANDREWS/ROBBINSV	K4AIH	146.445	147.045	*	BELP
AQUADALE	WA4CHZ	147.99	147.39	*	
ASHEBORO	KJ4AV	147.855	147.255	*	PL
ASHEVILLE	WA4QCO	146.235	146.835	N	
ASHEVILLE	N4UQS	147.825	147.225	*	A
ASHVL/MT PISGAH	WA4BVW	146.16	146.76	*	T151.4
ASHVL/SPIVEY MT	W4MOE	146.31	146.91	*	A
BAKERSVILLE	KC4WPM	144.71	145.31	*	ABE
BALD CREEK	N1BEC	147.645	147.045	N	
BEULAVILLE	N4VBH	144.63	145.23	*	A
BOONE/RICH MTN	WA4KDB	147.96	147.36	*	A
BREVARD	K4GBH	147.735	147.135	*	P
BURGAW	W4DLH	146.34	146.94	*	
BURLINGTON	WA4YGD	146.07	146.67	*	A
BURLINGTON	WA4HBQ	147.675	147.075	N	E
BURNSVILLE	N4YN	147.975	147.375	N	A
CARTHAGE	W4NIW	147.84	147.24	*	PK
CHARLOTTE	W4BFB	144.63	145.23	N	
CHARLOTTE	W4BFB	144.69	145.29	N	A
CHARLOTTE	WA4AOS	144.75	145.35	N	L
CHARLOTTE	W4BFB	146.34	146.94	N	A
CHARLOTTE	W4CQ	146.46	147.06	*	A
CHARLOTTE	WD4PLY	147.99	147.39	N	P
CHERRY MT	WA4BKU	146.07	146.67	*	
CLINTON	WA4LZD	146.19	146.79	N	
COLUMBIA	KB4TOH	144.51	145.11	N	ABEL
CONCORD/KANNAP	K4CEB	146.055	146.655	*	PB
CROWDERS MT/GASTWD	K4PLY	144.85	145.45	N	
DUNN	N4CID	146.10	146.70	*	P
DURHAM	WA4WTX	144.85	145.45	*	AL
DURHAM	WA4BFT	146.34	146.94	N	A
DURHAM	WD4LDB	147.96	147.36	*	A
EDEN/STONEVILLE	WA4QBG	147.99	147.39	*	
ELIZABETH CITY	WA4VTX	146.055	146.655	N	A
FAYETTEVILLE	N4EWG	146.205	146.805	N	
FAYETTEVILLE	WA4FLR	146.445	147.045	N	Y
FAYVLLE/CFARS	WB4YZF	146.31	146.91	*	P
FAYVLLE/FT BRAGG	W4LPL	147.93	147.33	*	
FOREST CITY	K4PBG	147.84	147.24	*	AT123.0
FRANKLIN	W4ZCZ	144.89	145.49	N	
FRANKLIN	W4GHZ	147.84	147.24	*	T151.4
GAST/SPCR MT	W4REW	147.72	147.12	*	A
GASTONIA	N0IZF	146.205	146.805	*	ABELR
GIBSONVILLE	AC4DZ	144.89	145.49	*	ART103.5
GOLDSBORO	K4CYP	146.25	146.85	*	PT
GREENSBORO	N4GGD	144.85	145.25	*	E
GREENSBORO	N4GGD	144.69	145.29	*	R
GREENSBORO	K4SNI	146.01	146.61	*	A
GREENSBORO	N4GGD	146.16	146.76	*	AER
GREENSBORO	W4GG	147.63	147.03	*	PL
GREENSBORO	W4BUZ	147.81	147.21	N	B
GREENVILLE	WD4JPQ	144.75	145.35	*	ABEL
GREENVILLE	K4ROK	147.975	147.375	N	A
GREENVL/ESTN NC	W4GDF	147.69	147.09	*	
GRIFTON	W4NBR	146.085	146.685	*	
HENDERSONVILLE	WB4YAO	146.04	146.64	N	L
HENDSVL/BERWLW	MWA4KNI	144.67	145.27	*	A
HENDSVL/PENIC/MT	WA4KNI	147.855	147.255	*	A
HICKORY/BRT. MT	WA4MDW	146.25	146.85	*	
HIGH POINT	N4XO	144.81	145.41	*	A
HIGH POINT	N4NNR	147.435	146.835	*	PL
HIGH POINT	WA4RIS	147.765	147.165	*	P
HILLSBOROUGH	WA4WTX	147.825	147.225	*	AL
JACKSONVILLE	WA4WGA	144.59	145.19	*	B
JACKSONVILLE	WD4FVO	146.40	147.00	*	AE
JEFFERSON	W4YJG	147.90	147.30	*	A
KINSTON	W4OIX	144.87	145.47	*	A
LAURINBURG	KI4RR	146.025	146.625	*	PE
LENOIR	N4NIN	147.795	147.195	*	
LENOIR/HIBRITN	KN4K	147.93	147.33	*	
LEXINGTON	WD4ICX	144.71	145.31	N	AE
LEXINGTON	K4IZM	146.31	146.91	*	AE
LK NORMN/CLT	WB4KPF	147.615	147.015	N	P
LUMBERTON	KS4S	147.96	147.36	*	P
MACO	WA4LED	147.66	147.06	*	P
MADISON	KA4YFF	146.295	146.895	N	
MAGGIE VALLEY	W4HCY	147.405	146.805	N	O
MANTEO/WANCHESE	KC4VM	146.34	146.94	*	AL
MARION	WD4PVE	146.385	146.985	N	A
MIDWAY	KM4AR	144.67	145.27	*	
MILLERS CREEK	N4GGN	146.115	146.715	*	A
MONROE	K4JCK	147.705	147.105	N	O
MONROE/UCARS	KF4NJ	144.79	145.39	*	P
MORGANTON	K4VLY	147.75	147.15	*	
MOUNTAIN HOME	K4GHH	147.705	147.105	*	
MT AIRY	N4XRY	146.34	146.94	*	
MT AIRY	N4XRY	146.37	146.97	*	
MT MITCHELL	WA4BVW	144.59	145.19	*	
MT. AIRY	KD4J	144.73	145.33	*	A
MURPHY	KC4WB	147.795	147.195	N	O
MURPHY/STALCUP	K4FOY	147.465	146.865	*	
N. WILKESBORO	N4AGN	144.77	145.37	*	P
NAGS HEAD/BODIE	K4UOR	146.235	146.835	*	AE
NEW BERN	WD4JMS	146.01	146.61	N	AL
NEWPORT	K4GRW	144.85	145.45	*	ALO
NEWTON	AG4L	147.675	147.075	*	AER
NEWTON/ANDSN MTN	W4ZQB	144.57	145.17	*	
OXFORD	KA4RVS	144.57	145.17	N	P
OXFORD	WA4MII	144.77	145.37	*	
RALEIGH	N4BQF	144.67	145.27	N	PL
RALEIGH	K4BWC	144.89	145.49	*	BY
RALEIGH	W4DW	146.04	146.64	*	BEP
RALEIGH	K4BWC	146.13	146.73	*	PB
RALEIGH	WB4TQD	146.28	146.88	*	L
RALEIGH	WB4TQD	147.75	147.15	*	P
RALEIGH BENSON	AK4H	147.87	147.27	*	P
RANDLEMAN/GBO	WD4CVM	144.55	145.15	*	L
RED SPRINGS	W4MZP	147.90	147.30	*	P
REIDSVILLE	K4YEC	146.25	146.85	*	L
ROANOKE RAPIDS	WA4DTS	147.63	147.03	*	P
ROARING GAP	WB4PZA	146.22	146.82	*	
ROCKINGHAM	K4PTB	146.355	146.955	*	ABE
ROCKY MOUNT	WN4Z	147.72	147.12	*	PE
SALISBURY	W4EXU	146.13	146.73	*	ELR
SANFORD	WB4EJU	147.78	147.18	N	A
SAURATOWN MT	W4RXG	144.51	145.11	N	Y
SAURATOWN MT	W4NC	144.87	145.47	*	
SAURATOWN MT	N4QDK	146.19	146.79	*	EP
SAURATOWN MT	K4JYH	147.915	147.315	*	BP
SELMA	KK4YP	147.615	147.015	*	C BEP
SHALLOTTE	K4PPD	144.77	145.37	*	PE
SHALLOTTE	K4PPD	147.915	147.315	*	E
SHALLOTTE	N4FAU	147.99	147.39	*	PE
SHELBY	W4NYR	146.28	146.88	*	
SHELBY	W4NYR	147.945	147.345	*	P
SMITHFIELD	KD4JQ	146.37	146.97	*	A
SMITHFIELD	W2AC	147.99	147.39	*	ABE
SOUTHPORT	K4JYH	146.175	146.775	*	
SPARTA/GREEN MT	K4ITL	144.83	145.43	N	L
SPRING LAKE	WB4KDC	146.115	146.715	N	
STATESVILLE	KB4QP	146.085	146.685	*	PE
STATSVL/ASBRY MT	KB4QP	147.645	147.045	*	Y
SWANSBORO	KO4S	146.16	146.76	*	A
TABOR CITY	W4DCD	147.975	147.375	N	ALR
THOMASVILLE	K4AZA	146.40	147.00	*	LA
TRENTON	WB4TQD	144.61	145.21	*	L
TRYON/MELROSE MT	WB4SFK	147.78	147.18	N	C
TUCKASEGEE	W8OMV	147.90	147.30	N	
WADESBORO	W4USH	146.235	146.835	*	A
WASHINGTON	WA4TEP	147.945	147.345	N	
WAXHAW	WA4ZRS	147.465	146.865	*	P
WAYNESVILLE	N4SM	147.87	147.27	*	A
WHITEVILLE	K4MSD	147.81	147.21	*	AL
WILLIAMSTON	KA4KNU	144.81	145.41	*	L
WILMINGTON	W4VNK	146.13	146.73	*	AB
WILMINGTON	K4GMP	146.22	146.82	*	BL
WILMINGTON	N4CTJ	147.78	147.18	N	AL
WILSON	WB4THL	146.16	146.76	*	A

MORE NORTH CAROLINA REPEATERS

WINSTON-SALEM	W4NC	146.04	146.64	*	AL
YADKINVILLE	N4XRY	146.415	147.015	*	
YAUPON BEACH	W4RPC	146.07	146.67	*	

220 MHZ

ANDREWS/ROBBINSVK4AIH		223.28	224.88	*	TL
ASHEVILLE	NC4N	223.00	224.60	*	
ASHVL/MT PISGAH	WA4BVW	222.66	224.26	*	
BURNSVILLE	N4TFU	223.14	224.74	*	BL
CANTON	N4DWU	223.22	224.82	*	P
CHARLOTTE	W4BFB	222.80	224.40	N	A
CHERRYVILLE	K4JTX	223.36	224.96	*	O
EDEN	WA4WGY	223.18	224.78	*	ABER
FAYETTEVILLE	W4EHF	222.42	224.02	N	L
FAYETTEVILLE	W4EHF	222.96	224.56	N	
GOLDSBORO	WB3JVX	223.36	224.96	*	ELPT156.7
GREENSBORO	WB4WOR	222.54	224.14	*	K
GREENSBORO	KC4HTS	223.22	224.82	*	R
GRIFTON	WA4DAN	223.24	224.84	*	L
HENDERSONVILLE	N4UQS	223.36	224.96	*	
HENDSVL/BERWLW	MWA4KNI	222.64	224.24	*	
HIGH POINT	N4NNR	223.00	224.60	*	AL
#HILLSBOROUGH	WA4WTX	222.66	224.26	*	UNCOORD.
JACKSONVILLE	WA4WGA	222.72	224.32	*	C
LENOIR/HIBRITN	KN4K	222.56	224.16	*	
LINWOOD	KA4HUV	222.38	223.98	N	
LK NORMN/CLT	WB4KPF	223.08	224.68	N	
LOCUST	WA4ZIA	222.88	224.48	*	PL
MARS HILL	WB4PLA	223.06	224.66	*	L
MARSHALL	KA4TYO	222.76	224.36	N	L
MORGANTON	WB4PML	223.20	224.80	*	
MT MITCHELL	WA4BVW	222.94	224.54	*	
OXFORD	KA4RVS	223.14	224.74	N	
RALEIGH	WA4PEN	223.04	224.64	*	O PL
ROCKY MOUNT	NF4C	222.62	224.22	*	AR
ROCKY MOUNT	KC4FKC	222.98	224.58	N	A
SALISBURY	W4EXU	223.16	224.76	*	L
SAURATOWN MT	WA4YHH	222.98	224.58	*	
SAURATOWN MT	W4RXG	223.10	224.70	N	OY
SAURATOWN MT	W4RXG	223.28	224.88	N	O
SAURATOWN MT	WA4WTB	223.36	224.96	*	
SHELBY	KC4ZTJ	222.86	224.46	N	
SPINDALE	KC4IEV	222.84	224.44	*	CT146.3
STATESVILLE	WA4PVI	222.70	224.30	N	
SUNSET BEACH	AC4AM	223.06	224.66	*	
THOMASVILLE	K4AZA	222.74	224.34	*	LA
WILMINGTON	K4YNY	222.90	224.50	N	LR
WINSTON-SALEM	WA4YHH	223.04	224.64	*	RP

440 MHZ

AHOSKIE	WB4YNF	449.20	444.20	*	T
#ANDERSON MTN	KA4YMY	449.70	444.70	*	UNCOORD.
ANDREWS/ROBBINSVK4AIH		448.85	443.65	*	BL
ARCHDALE	KC4SVQ	448.30	443.30	*	AR
ASHEVILLE	N4DWT	449.90	444.90	*	
BAKERSVILLE	KM4GR	447.75	442.75	*	C
#BARRETT'S MTN	K4OLC	449.05	444.05	*	UNCOORD.
BOSTIC	KC4YOQ	449.125	444.125	N	
BURLINGTON	AC4DZ	448.025	443.025	*	A
CHAPEL HILL	KZ1X	448.475	443.475	N	P
CHARLOTTE	W4PPN	439.25	421.25	*	V
CHARLOTTE	W4CQ	449.45	444.45	N	
CHARLOTTE	W4BFB	449.60	444.60	N	
CHARLOTTE	W4CQ	449.85	444.85	*	A
DALLAS/CHARLOTTE	W4DW	449.95	444.95	*	BLT136.5

SERA REPEATER SYMBOLS

*	Full Member Supporter	M	T-MARC Terr. Repeater
D	Delinquent Membership	NB	Not on SERA Freq. Plan
N	Non-Member SERA	O	Off the Air Temporarily
A	Autopatch (Open)	P	Private Autopatch
B	Emergency Power	PR	Proposed Coordination
C	Under Construction	R	Remote Base System
E	Emergency Autopatch	T	Tone Accessed
K	Packet Operation	V	Television (SSTV/ATV)
L	Linked Repeater	Y	RTTY Operation

NOTE: Some repeaters allow voice, as well as other functions on their machine. Generally the second function is indicated, but it does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for information. Repeaters with normal input/output (pairs) are listed in the regular FM repeater index and their operation of Packet is indicated with "K". For tone-accessed repeaters, the codes column contains the tone or access code only for those repeaters which the owner or trustee has given us written permission to publish.

Entries with "#" in front of the city indicate repeaters added to this index that have not been coordinated through the local SERA state coordinator. Work with your coordinator to get this indicator removed.

DURHAM	WA4WTX	449.10	444.10	*	AL
FAYETTEVILLE	WB4YZF	449.40	444.40	*	
FOREST CITY	KC4YOQ	449.40	444.40	*	
GASTONIA	WB4BQG	449.15	444.15	*	ABELR
GASTONIA	WB4VTE	449.55	444.55	*	
GIBSONVILLE	WC3V	449.35	444.35	N	C
GOLDSBORO	WB3JVX	448.05	443.05	*	ELT156.7
GRANDFATHER MTN	WA4PXV	448.575	443.575	*	LR
GREENSBORO	WD4PQZ	448.50	443.50	N	ALR
GREENSBORO	WB4WOR	449.30	444.30	*	C
GREENVILLE	AI4J	449.80	444.80	N	
HAW RIVER	K2MZ	448.875	443.875	*	T
HENDSVL/BERWLW	MWA4KNI	449.25	444.25	*	
HICKORY	K4JEQ	449.00	444.00	*	
HIGH POINT	N4LXW	448.70	443.70	N	
HIGH POINT	WA4RIS	448.90	443.90	*	
HIGH POINT	AC4DZ	449.025	444.025	*	A
JACKSONVILLE	WA4WGA	449.675	444.675	*	C
KANNAPOLIS	N4JEX	448.25	443.25	*	
KING	WA4YHH	449.775	444.775	*	
LEXINGTON	WD4ICX	449.50	444.50	N	
LOCUST	WA4LBT	448.70	443.70	*	PL
LUMBERTON	WB4DVN	449.625	444.625	N	
MT AIRY/FSH PK	KF4UY	449.825	444.825	*	ABLR
MT MITCHELL	N4DWU	448.60	443.60	*	
MT. AIRY	N4XRY	449.925	444.925	*	
MURPHY	N4USU	447.60	442.60	*	T151.4
NEW BERN	WD4JMS	449.90	444.90	*	
OXFORD	KA4RVS	449.60	444.60	N	
PITTSBORO	WB4MMY	447.55	442.55	*	PT
POLKVILLE	KC4ZTJ	449.975	444.975	N	P
RALEIGH	N4BEA	447.15	442.15	N	L
RALEIGH	N4LMR	447.45	442.45	*	P
RALEIGH	N4ZCM	448.225	443.225	*	BPT
RALEIGH	WA4PEN	449.525	444.525	*	PL
#RALEIGH	W4ATC	449.775	444.775	*	UNCOORD.
RALEIGH	W4DW	449.875	444.875	N	A
ROANOKE RAPIDS	KK4VM	449.55	444.55	N	
ROANOKE RAPIDS	KK4VM	449.55	444.55	N	A
ROARING GAP	KC4XE	448.55	443.55	*	L
ROCKY MOUNT	N4JEH	449.70	444.70	*	BP
#SALISBURY	W4HG	448.15	443.15	*	UNCOORD.
SALISBURY	K0SD	449.575	444.575	N	A
SALISBURY	N4MME	449.65	444.65	*	AT
SAURATOWN MT	K4AZA	439.25	421.25	*	OV
SAURATOWN MT	N4GGC	448.10	443.10	*	L
SAURATOWN MT	WA4WTB	448.40	443.40	*	C
SELMA	KK4YP	449.00	444.00	*	BP
SHELBY	W4NYR	439.25	427.25	*	V
SMITHFIELD	WK2F	449.25	444.25	N	
SPINDALE	KC4IEV	448.30	443.30	*	T179.9
STATESVILLE	N4VOZ	448.45	443.45	*	O A
SUNSET BEACH	AC4AM	447.625	442.625	*	
THOMASVILLE	K4AZA	447.90	442.90	*	L
WILMINGTON	K4YNY	447.500	442.500	N	ALR
WILMINGTON	K4GMP	449.85	444.85	*	B
WILSON	NE4J	449.90	444.90	*	O
WINSTON-SALEM	W4NC	449.275	444.275	*	A
WINSTON-SALEM	N4QDK	449.725	444.725	N	A
YADKINVILLE	N4AAD	447.80	442.80	*	A
YANCEYVILLE	N4VWK	449.225	444.225	N	A
YAUPON BEACH	W4RPC	448.40	443.40	*	

SOUTH CAROLINA REPEATERS

10 METERS

RKY RDG/WALLACE	KA4ABW	29.60	RMT.BS	*	R

6 METERS

PICKENS	WB4YXY	52.41	53.41	N	

2 METERS

AIKEN	W4TUN	144.57	145.17	N	A
AIKEN	N4ADM	147.885	147.285	*	P
ANDERSON	N4SZ	146.37	146.97	*	BP
ANDERSON/SAS MT	W4FVV	146.19	146.79	*	B
AWENDAW	K4ESG	147.90	147.30	N	PT103.5
AWENDAW	K4LWS	147.945	147.345	N	BT103.5
BAMBERG	WA4DFP	144.73	145.33	*	
BARNWELL	WA4FOF	147.63	147.03	*	B
BEAUFORT	KB4GY	144.71	145.31	*	
BIG KNOB/GREY CT	KB4YF	146.265	146.865	N	
BOWMAN	KC4NXU	144.79	145.39	*	
CHARLESTON	WB4UIV	144.65	145.25	N	
CHARLESTON	K4ILT	146.16	146.76	N	P
CHARLESTON	WA4USN	146.19	146.79	N	
CHARLESTON	KC4UDD	146.235	146.835		A
CHARLESTON	WB4LET	147.87	147.27	*	PL
CHERAW	KA4ABW	147.735	147.135	N	AE
CHESTER	AC4IP	146.025	146.625	N	T
COLUMBIA	KC4GYM	144.67	145.27	*	BLT
COLUMBIA	KC4LB	144.83	145.43	N	P
COLUMBIA	WB4NEP	146.115	146.715	N	P
COLUMBIA	KC4GYM	146.175	146.775	*	BPT
COLUMBIA	KB4HE	146.40	147.00	N	BLPT
COLUMBIA	N4NUY	147.93	147.33	N	
COLUMBIA	N4EOY	147.96	147.36	N	L
CONWAY	WD4JMT	144.51	145.11	*	
DILLON/PEE DEE	NN4N	146.145	146.745	*	
DORCHESTER	W4NAT	147.78	147.18	N	
FLORENCE	W4ULH	146.25	146.85	*	A
FLORENCE	WA4ISM	146.37	146.97	*	A
FLORENCE	W4PNZ	147.795	147.195		B
FT MILL/CAROWND	AA4SC	147.78	147.18	N	
GAFFNEY	KN4RG	144.87	145.47	*	B
GASTON	WB4NEP	144.61	145.21	N	P
GEORGETOWN	WD4DMI	147.975	147.375	N	
GREENVILLE	W4IQQ	146.34	146.94	*	T
GREENVILLE	K4LEO	147.975	147.375	*	T
GREENWOOD	K4VIA	147.765	147.165	*	P
GREENWOOD/HODGESKB4CS		144.53	145.13	N	
GRNVLE/CSRS HD	W4NYK	146.01	146.61	*	
GRNVLE/PARIS MT	W4NYK	146.22	146.82	*	P
HILTON HEAD	W4ILN	147.84	147.24	*	
INMAN	WD8OXE	144.55	145.15	N	P
LANCASTER	W4PAX	146.10	146.70	*	
LANCASTER	KC4AC	147.84	147.24	*	
LEXINGTON	KB4HE	146.64	147.00		BL
LEXINGTON	KA4FEC	147.99	147.39	*	B
LITTLE MT.	K4AVU	147.81	147.21	N	
MARION	W4YLT	146.40	147.00	N	E
MONCKS CORNER	KA4BJM	147.75	147.15	N	
MYB BCH/BRKSVIL	W4DCD	147.885	147.285	N	AL
MYRTLE BEACH	WA4DDK	144.87	145.47	N	T
MYRTLE BEACH	WD4JMT	147.72	147.12	*	E
N. AUGUSTA	W4DV	144.85	145.45	N	P
N. AUGUSTA	K4FKJ	146.13	146.73	*	
#N. CHARLESTON	KC4PPL	147.60	147.00	*	UNCOORD.
N. MYRTLE BEACH	K4HOG	147.63	147.03	*	B
N. SPARTANBURG	N4UZT	147.915	147.315	*	ABT141.3
NEWBERRY	KB4CO	146.085	146.685	N	
ORANGEBURG	WM3O	146.205	146.805	N	C
ORANGEBURG	KC4WIF	146.28	146.88	*	ABL
ORANGEBURG	KM4RP	147.69	147.09	N	
PAGELAND/HIPOINT	KA4ABW	146.295	146.895	*	ABLR
PICKENS	WB4YXZ	146.40	147.00	N	
RKY RDG/WALLACE	KA4ABW	144.89	145.49	*	A
ROCK HILL	AA4PF	144.71	145.31	N	PL
ROCK HILL	K4YTZ	146.43	147.03	N	P
SANTEE	W4DTW	147.825	147.225	N	A
SENECA/LONG MT	WA4JRJ	147.87	147.27	*	BP
SIMPSONVILLE	WD4BJY	146.13	146.73	*	
SIMPSONVILLE	WA4SDT	147.75	147.15	N	Y
SPARTANBURG	K4JLA	147.69	147.09	*	
ST. MATTHEWS	AD4U	146.07	146.67	*	ABL
SUMMERTON	N4LWY	144.55	145.15	*	P
SUMTER	WB4KIV	144.53	145.13	N	
SUMTER	WB4KIV	146.04	146.64	N	
SUMTER	WA4UMU	147.615	147.015	N	P
SUMTER/SHAW	W4VFR	147.66	147.06	*	A
WHITE HALL	W4BWZ	146.31	146.91	*	B
WHITE OAK MTN	WD4MGM	147.885	147.285	*	

220 MHZ

AIKEN	W4TUN	223.36	224.96	N	TA
CHARLESTON	KA4NRL	223.04	224.64	N	BP
COLUMBIA	WX4M	222.58	224.18	N	BP
COLUMBIA	K4RWN	222.58	224.18	N	
COLUMBIA	N4EOY	223.30	224.90	N	LR
CROSS	KB4VFD	222.98	224.58	*	CA
FLORENCE	N4JJ	223.34	224.94	N	BP
GREENVILLE	W4ILY	222.60	224.20	N	A
LITTLE MTN.	K4RWN	222.92	224.52	N	PB
ORANGEBURG	WB4TGK	223.18	224.78	N	BP
PICKENS	WB4QHF	222.80	224.40	*	BP
PICKENS/CSRS HD	WB4QHF	222.54	224.14	*	LR
PICKENS/SASFR MT	KJ4X	222.72	224.32	*	B
RIDGEVILLE	N4CII	222.50	224.10	N	
ROPER MT/GRNVL	W4NYK	223.32	224.92	*	
SUMTER	K4GYR	223.26	224.86	*	
SUMTER/SHAW	W4VFR	223.06	224.66	*	
WEST SPRINGS	KT4G	222.84	224.44	N	C BP

440 MHZ

AIKEN	W4TUN	448.40	443.40	N	TA
ANDERSON/SAS MT	WD4BUH	449.925	444.925	N	
CHARLESTON	N4MNH	449.30	444.30	*	A
COLUMBIA	KC4GYM	442.075	447.075	*	BT156.7
COLUMBIA	N4EOY	448.00	443.00	N	LR
COLUMBIA	KC4GYM	448.50	443.50	*	T156.7
COLUMBIA	KC4GYM	449.20	444.20	*	T156.7
CROSS	KB4VFD	447.30	442.30	*	CA
GEORGETOWN	WD4JMT	449.925	444.925	N	AB
GREENVILLE	KB4PQA	447.25	442.25	*	RP
GRNVLE/PARIS MT	ND4N	448.10	443.10	N	P

MORE SOUTH CAROLINA REPEATERS

LEXINGTON	N4GUP	439.25	421.25	*	V	
MYB BCH/BRKSVIL	W4DCD	449.525	444.525	N	ALR	
MYR BCH/CONWAY	WD4JMT	449.675	444.675	*	ABT203.5	
NORTH CHARLESTON	KC4UDD	449.80	444.80	N	B	
PICKENS/CSRS HD	WB4QHF	447.40	442.40	*		
SUMMERVILLE	WA4HNK	448.80	443.80	*	EP	
SUMTER	WA4UMU	439.25	423.25	N	V	
SUMTER	K4GYR	449.50	444.50	N	P	

TENNESSEE REPEATERS

10 METERS

GREENEVILLE	WB4NKM	29.54	29.64	*	
JACKSON	NQ4W	29.54	29.64	N	C
MEM/FISHERVILLE	N4DRL	29.58	29.68	*	ALR
MEMPHIS	N4MW	28.25	BEACON	*	
MEMPHIS	W4ZJM	29.52	29.62	*	LT*#
NASHVILLE	WA4BZU	29.54	29.64	N	TLO
UNION CITY	WA4YGM	29.56	29.66	*	O

6 METERS

CHATTANOOGA	WB4LRD	52.01	53.01	N	
COOKEVILLE	WA4UCE	52.19	53.19	N	
GALLATIN	WD4KWP	52.45	53.45	N	L
GREENEVILLE	WB4NKM	52.01	53.01	*	
GUTHRIE (TN/KY)	KA4ZKL	52.23	53.23	*	
KNOXVILLE	WA4YON	52.25	53.25	*	
KNOXVILLE	WB4GBI	52.35	53.35	*	O
KNXVL/ENG MT	WB4IOB	52.15	53.15	*	A
MEM/FISHERVILLE	N4DRL	52.27	53.27	*	LRT
MEMPHIS	N4MW	50.07	BEACON	*	
MEMPHIS	WA4KOG	52.01	53.01	N	
MEMPHIS	K4RDK	52.55	53.55	N	
MORRISTOWN	KD4LP	52.23	53.23	*	
NASHVILLE	N4ARK	52.525	145.21	*	BR

2 METERS

ALAMO	WB4EDS	147.735	147.135	*	
ATHENS	WA4PNI	144.71	145.31	*	T141.3
BENTON	K4SIR	144.85	145.45	N	T
BLOUNTVILLE	WA4KMG	147.60	147.00	*	B
BLUFF CITY	KA4ZTK	147.885	147.285	*	BE
BRICEVILLE	KA4AZQ	147.795	147.195	*	B
BRISTOL	WB4DKI	146.07	146.67	*	A
BRISTOL	WD4CYZ	146.28	146.88	N	
BRISTOL/HLSTN MT	K4LSP	146.16	146.76	N	A
BROWNSVILLE	KB4YTU	144.83	145.43	N	PL
BROWNSVILLE	K4VIR	146.055	146.655	*	AB
CARTHAGE	N4OTT	144.59	145.19	*	P
CHATT/SIGNAL MT	W4AM	146.055	146.655	N	O
CHATTANOOGA	K4CMY	144.53	145.13	*	
CHATTANOOGA	K4VCM	144.69	145.29	*	
CHATTANOOGA	W4AM	144.79	145.39	*	A
CHATTANOOGA	K4CMY	146.01	146.61	*	
CHATTANOOGA	W4AM	146.19	146.79	*	A
CLARKSVILLE	WD4SGA	147.60	147.00	N	
CLARKSVILLE	AA4TA	147.99	147.39	*	A
CLEVELAND	W4GZX	146.31	146.91	*	A
COLLEGEDALE	KE4QS	147.60	147.00	*	P
COLLIERVILLE	KB4YGI	147.63	147.03	N	
COLUMBIA	WA4ZYX	147.72	147.12	*	AB
COOKEVILLE	NQ4Y	144.51	145.11	N	
COOKEVILLE	WA4UCE	144.83	145.43	N	A
COOKEVILLE	K4HKZ	147.645	147.045	N	C
COOKEVILLE	N4WS	147.81	147.21	*	AER
COVINGTON	WA4KOG	144.85	145.45	N	PR
COVINGTON	WA4VXW	147.93	147.33	N	PLK
CRAB ORCHARD	KA4QYI	146.04	146.64	*	C
CUMBERLAND CITY	WD4DBJ	144.73	145.33	*	
DAYTON/RHEA CTY	K4PHT	147.99	147.39	*	B
DECATUR-PONE KB	W4RJC	144.55	145.15	*	
DOVER	N4VIH	144.81	145.41	N	
DYERSBURG	WB4RCK	146.145	146.745	N	
EASTVIEW	WA4GZX	144.79	145.39	N	
ERWIN	WB4BRV	144.65	145.25	N	AL
FAYETTEVILLE	KO4G	146.265	146.865	N	
FAYETTEVILLE	W4NIQ	147.63	147.03	N	BP
FISHERVILLE	N4DRL	144.65	145.25	*	ABEL
FRANKLIN	KK4IY	146.385	146.985	N	
#FRUITLAND	NU5O	147.915	147.315	N	UNCOORD.
GALLATIN	N4SSB	144.53	145.13	*	T107.2
GALLATIN	WD4BKY	147.84	147.24	*	L
GALLATIN	WA4YQC	147.87	147.27	*	PL
GERMANTOWN	KA4ATI	147.69	147.09	N	
GRAND JUNCTION	N4DRL	147.63	147.03	*	
GRANDJUNCTION	N4DRL	146.43	147.03	*	
GRAY	WD4SBX	144.51	145.11	*	
GRAY/HOLSTON MT	WD4SBX	147.81	147.21	*	T103.5
GREENBRIER	WQ4E	146.22	146.82	N	PR
GREENBRIER	WQ4E	147.675	147.075	N	B
GREENEVILLE	K4EPC	144.79	145.39	*	
GREENEVILLE	WB4NKM	144.81	145.41	*	
GRNVLE/VIKING MT	KB4UG	147.66	147.06	*	R
GTLBG/COVE MTN	WA4KJH	146.25	146.85	N	LE
GUTHRIE (TN/KY)	KA4NNE	146.205	146.805	*	
HEISKELL	WB4KUD	146.10	146.70	*	AB
HENDERSON	K4TC	147.705	147.105	*	PE
HENDERSONVILLE	WB4WZK	144.67	145.27	*	PT
HENDERSONVILLE	K4UVH	147.945	147.345	N	
HOHENWALD	KE4KO	144.85	145.45	N	
HUMBOLDT	NQ4Y	144.75	145.35	N	AL
JACKSON	WB7BOX	144.51	145.11	N	AL
JACKSON	KF4SC	144.71	145.31	N	A
JACKSON	W4WKZ	147.81	147.21	N	A
JAMESTOWN	K4NLP	147.69	147.09	*	
JASPER	KD4XX	144.59	145.19	*	A
JOHNSON CITY	WB4SQC	144.69	145.29	*	BP
JOHNSON CITY	W4ABR	146.19	146.79	N	A
JOHNSON CITY	KE4FH	147.87	147.27	N	A
KNGSPT/BAYS MT	W4TRC	146.37	146.97	*	BP
KNOXVILLE	N4IJL	144.51	145.11	N	O
KNOXVILLE	WB4GBI	144.57	145.17	*	
KNOXVILLE	492	144.61	145.21	*	A
KNOXVILLE	WA4TEM	144.73	145.33	*	AR
KNOXVILLE	N4GRC	144.77	145.37	*	
KNOXVILLE	N4IUA	144.83	145.43	N	
KNOXVILLE	WB4GBI	144.87	145.47	*	
KNOXVILLE	WB4GBI	146.025	146.625	*	
KNOXVILLE	WB4GBI	146.34	146.94	*	
KNOXVILLE	KA4AZQ	146.40	147.00	*	BT100.0
KNOXVILLE	WB4GBI	147.675	147.075	*	A
KNOXVILLE	W4BBB	147.90	147.30	*	
KNXVL/ENG MT	WB4IOB	146.13	146.73	*	
LAFAYETTE	KC4ECD	144.71	145.31	*	ET
LAFOLLETTE	KA4OAK	144.53	145.13	N	A
LAFOLLETTE	KA4OAK	147.96	147.36	N	
LAFOLLETTE/WMT	K4BGW	146.07	146.67	N	
LAKE CITY	WB4OAH	146.22	146.82	*	A
LAVERNE	KJ4RA	144.63	145.23	N	
LEBANON	WB4DOR	144.79	145.39	N	
LEBANON	WD4JVV	147.615	147.015	N	
LEXINGTON	WD4MVR	146.43	147.03	N	
MANCHESTER	W4UQT	146.10	146.70	*	A
MARTIN	WA4ZQX	146.025	146.625	*	A
MAYNARDVILLE	KB4KIE	144.63	145.23	N	E
MCMINNVILLE	WD4MWQ	146.37	146.97	*	P
MCMINVL/SHT MT	W4KKO	144.89	145.49	N	
MCNAIRY	NU5O	147.675	147.075	N	
MEDINA	K4BEZ	146.37	146.97	N	AB
MEM/FISHERVILLE	N4DRL	144.73	145.33	*	ABL
MEMPHIS	K0JXI	144.55	145.15	N	
MEMPHIS	KA0BRN	144.57	145.17	N	ALT
MEMPHIS	WA4VIP	144.81	145.41	N	
MEMPHIS	WA4KOG	144.89	145.49	N	
MEMPHIS	WB4NNE	146.04	146.64	N	O
MEMPHIS	W4UFT	146.10	146.70	*	
MEMPHIS	WB4DAZ	146.13	146.73	*	P
MEMPHIS	WA4HBY	146.19	147.51	N	NB
MEMPHIS	W4BS	146.22	146.82	*	P
MEMPHIS	WA4KOG	146.25	146.85	N	A
MEMPHIS	WA4ETE	146.28	146.88	*	AL
MEMPHIS	N4BSM	146.34	146.94	N	A
MEMPHIS	W4ZJM	146.40	147.00	*	
MEMPHIS	W4BS	147.42	146.82	N	
MEMPHIS	WA4MQQ	147.66	147.06	N	
MEMPHIS	KA4GMV	147.72	147.12	N	AT
MEMPHIS	WA4KOG	147.78	147.18	N	
MEMPHIS	WA4OWI	147.87	147.27	N	
MEMPHIS	WA4ADT	147.90	147.30	*	PL
MEMPHIS	WB4MMI	147.96	147.36	N	TA
MONTEAGLE	N4SSB	144.81	145.41	*	LT
MORGAN COUNTY	WD4ORB	147.93	147.33	*	
MORRISTOWN	KD4LP	144.85	145.45	*	B
MORRISTOWN	KD4LP	147.63	147.03	*	E
MORRISTOWN	WB4OAH	147.825	147.225	*	A
MOUNTAIN CITY	WD4OMO	144.87	145.47	N	
MURFREESBORO	WB4LHO	144.57	145.17	N	
NASHVILLE	N4ARK	144.61	145.21	*	BLR
NASHVILLE	N4ARK	144.61	52.525	*	L
NASHVILLE	KI4OG	144.77	145.37	N	AR
NASHVILLE	N4ARK	144.87	145.47	*	BP
NASHVILLE	WA4PCD	146.01	146.61	N	PO
NASHVILLE	W4PQP	146.16	146.76	N	
NASHVILLE	W4SQE	146.19	146.79	*	
NASHVILLE	N4TK	146.25	146.85	*	P
NASHVILLE	WA4TOA	146.28	146.88	*	PT114.8
NASHVILLE	WA4PCD	146.34	146.94	N	
NASHVILLE	K4AYN	147.645	147.045	N	
NASHVILLE	WA4PCD	147.75	147.15	N	
NASHVILLE	WA4PCD	147.78	147.18	N	
NASHVILLE	WA4BZU	147.855	147.255	N	TP
NASHVILLE	WB4ZSA	147.90	147.30	N	P
NASHVILLE	WB4NTM	147.96	147.36	*	ATL
NASHVILLE W	WB4NTM	146.04	146.64	*	AT
NASHVILLE W	WB4NTM	146.07	146.67	*	ATL
NASHVLE/FAIRVIEW	N4ARK	144.51	145.11	*	B
OAK RIDGE	AA4UP	146.145	146.745	*	
OAK RIDGE	W4SKH	146.28	146.88	*	
OAK RIDGE	W4SKH	146.37	146.97	*	A
OAK RIDGE	K4EAJ	147.72	147.12	*	
OAK RIDGE	K4EAJ	147.75	147.15	*	LT
OAKFIELD	WA4BJY	147.99	147.39	N	PRT
PARIS	K4KLX	147.96	147.36	N	A
PETROS/FRZ HD MT	KJ4SI	147.855	147.255	*	PE
PIKEVILLE	K4PUX	147.885	147.285	*	
PINSON	WB0TMC	147.87	147.27	N	C
POCAHONTAS	WB4MMI	147.96	147.36	N	
POLK CTY/OSWALD	WD4DES	147.78	147.18	N	A
PULASKI/MUSIC MT	WB4OYG	146.175	146.775	*	E
PURYEAR	WA4CEX	147.765	147.165	*	
RAMER	WB4MMI	144.65	145.25	N	
RAMER	WB4MMI	147.945	147.345	N	O
RIDGETOP	WD4FFM	144.69	145.29	N	
ROCKWOOD	AA4KS	147.615	147.015	*	ABER
ROGERSVILLE	KD4HZN	147.915	147.315	N	AB
SALTILLO	KB4JUB	146.115	146.715	N	
SAVANNAH	WB4DQU	146.31	146.91	N	
SEV/SHIELDS MT	N4CJX	144.67	145.27	N	O
SHELBYVILLE	W4QEB	147.66	147.06	N	A
#SHOP SPRINGS	N4IDG	147.705	147.105	*	UNCOORD.
SHORT MTN	W4YXA	146.31	146.91	N	
SPRING HILL	NW4E	144.85	145.45	N	A
SULPHUR SPRINGS	WD4OBW	146.325	146.925	*	CL
TRENTON	KN4KP	146.265	145.865	N	AENB
UNION CITY	WA4YGM	146.10	146.70	*	A
UNION CITY	WA4YGM	147.615	147.015	*	OAR
WALLAND	KB4PIO	146.085	146.685	N	BP
WATERTOWN	KE4WA	146.13	146.73	N	T100
WATERTOWN	N4IDG	146.235	146.835	*	P
WINCHESTER	W4SFF	146.22	146.82	*	A

220 MHZ

BLOUNTVILLE	WA4KMG	222.60	224.20	*	B
BROWNSVILLE	KB4YTU	222.60	224.20	N	PL
CHATT/SIGNAL MT	WA4ZOK	223.30	224.90	N	
CHATTANOOGA	K4VCM	223.18	224.78	*	
CLARKSVILLE	KF4GP	222.34	223.94	N	
CLEVELAND	KK4US	222.72	224.32	N	AB
CLINCH MTN	KC4RGQ	223.04	224.64	N	AB
COLLIERVILLE	KB4YGI	222.80	224.40	N	PL
COLUMBIA	KE4KO	223.12	224.72	N	
FISHERVILLE	N4DRL	223.28	224.88	*	AL
FRANKLIN	WD4SGS	222.54	224.14	N	
GALLATIN	WB4ZSA	222.38	223.98	N	
GREENBRIAR	WQ4E	223.20	224.80	N	AB
GREENBRIER	WQ4E	223.18	224.78	N	PR
GREENEVILLE	WB4NKM	220.058	BEACON	*	BEACON
GREENEVILLE	WB4NKM	223.34	224.94	*	A
HERMITAGE	WB4RAB	222.30	223.90	N	
JC/BUFFALO MT	WA4UCI	223.18	224.78	*	
JONESBOROUGH	WD4OBW	222.92	224.52	*	ALB
KNOXVILLE	N4OQJ	222.78	224.38	*	B
KNOXVILLE	WA4YON	222.86	224.46	*	
KNOXVILLE	W4BBB	222.90	224.50	*	
KNOXVILLE	N4KFI	223.26	224.86	N	B
KNXVL/CROSS MT	KB4FZK	222.62	224.22	*	
LAFOLLETTE	KA4OAK	222.68	224.28	N	
LAVERGNE	KJ4RA	223.36	224.96	N	
MEM/FISHERVILLE	N4DRL	222.90	224.50	*	AL
MEMPHIS	N4MW	222.055	BEACON	*	
MEMPHIS	W4ZJM	222.34	223.94	*	LT*#
MEMPHIS	W4BS	222.82	224.42	*	L
MEMPHIS	WA4KOG	223.18	224.78	N	
MORRISTOWN	N4RBB	222.80	224.40	*	AB
NASHVILLE	WB4NTM	222.48	224.08	*	
NASHVILLE	WR3S	222.56	224.16	*	ABRL
NASHVILLE	KI4OG	222.84	224.44	N	AERT
NASHVILLE	WR3S	223.06	224.66	*	ALR
NASHVILLE	N4PYI	223.14	224.74	*	ALRT100.0
NASHVILLE	WA4PCD	223.34	224.94	N	T
SEVIERVILLE	N2FUV	222.84	224.44	N	PT
SHORT MTN	KE4NP	222.66	224.26	*	LR
SPRINGFIELD	KO4BN	222.62	224.22	*	ABER

440 MHZ

ALAMO	WB4EDS	448.75	443.75	*	L
BARTLETT	WA4DOR	448.70	443.70	N	T
BARTLETT	WA4PAJ	449.25	444.25	N	
BENTON/BEAN MT	K4SIR	449.95	444.95	N	T
BLUFF CITY	WB4RAV	449.725	444.725	N	BCO
BRISTOL/HLST MT	K4LSP	449.50	444.50	N	A
BROWNSVILLE	KB4YTU	449.20	444.20	N	PL
BROWNSVILLE	KB4YTU	449.45	444.45	N	CPL
CARTHAGE	N4OTT	448.725	443.725	*	
CHATTANOOGA	WJ9J	447.15	442.15	N	ABELR
CHATTANOOGA	N4JSR	447.325	442.325	N	

MORE TENNESSEE REPEATERS

CHATTANOOGA	W4AM	449.10	444.10	*	A
CHATTANOOGA	WB4LRD	449.875	444.875	N	
CLARKSVILLE	KF4GP	449.95	444.95	N	
COOKEVILLE	N4UBR	447.30	442.30		B
COOKEVILLE	NQ4Y	449.55	444.55	N	
CUMBERLAND CITY	WD4DBJ	448.40	443.40	*	PT
DOVER	N4VIH	449.925	444.925	N	
FAYETTEVILLE	KC4GPM	448.10	443.10	N	O
FISHERVILLE	N4DRL	449.30	444.30	*	ABEL
FRANKLIN	N4ULM	448.85	443.85	N	
FRANKLIN	WA4AKM	449.725	444.725	*	LT
GALLATIN	N4SSB	447.60	442.60	*	BLT107.2
GALLATIN	WD4BKY	449.00	444.00	*	C BLPT
GALLATIN	WD4BKY	449.35	444.35	*	PLT
GALLATIN	WD4KWP	449.45	444.45	N	
GALLATIN	WA4AKM	449.775	444.775	*	NT107.2
GATLBG/COVE MT	WA4KJH	448.30	443.30	N	L
GORDONSVILLE	N4SSB	447.70	442.70	*	BL
GRAY/HOLSTON MT.	WD4SBX	447.20	442.20	*	T103.5
GREENBRIER	WQ4E	449.25	444.25	N	
GREENEVILLE	WB4NKM	449.65	444.65	*	
GRNVLE/VIKING MT	KB4UG	448.20	443.20	*	C
HENDERSON	K4TC	449.75	444.75	*	P
HENDERSONVILLE	N4SSB	447.50	442.50	*	BLT107.2
JACKSON	WB4EPG	447.80	442.80	N	A
JACKSON	WB7BOX	449.875	444.875	N	PERLT
JAMESTOWN	KC4MJN	448.625	443.625	*	
JASPER	KD4XV	447.05	442.05	*	
JOHNSON CITY/HMV	WB4SQC	448.425	443.425	*	
KNOXVILL/ENG MTN	WB4HAP	449.60	444.60	*	
KNOXVILLE	WA4NTZ	447.50	442.50	N	
KNOXVILLE	WB4GBI	449.30	444.30	*	
KNOXVILLE	KB4KSL	449.50	444.50	N	A
LAFAYETTE	KC4ECD	449.125	444.125	N	RT
LAWRENCEBURG	AB4UP	447.675	442.675	*	C
LONE MOUNTAIN	WJ9J	447.075	442.075	N	ELP
MARYVILLE	KC4PDQ	449.70	444.70	*	A
#MCMINNVILLE/HF	WD4MWQ	449.65	444.65	*	UNCOORD.
MEDINA	K4BEZ	447.05	442.05	N	AL
MEMPHIS	W4EM	421.25	434.00	*	V
MEMPHIS	N4ERU	439.25	421.25	N	ATV
MEMPHIS	WB4EPG	447.825	442.825	N	
MEMPHIS	WF4G	447.825	442.825	N	
MEMPHIS	W4ZJM	448.00	443.00	*	T*#
MEMPHIS	KA4JXT	448.10	443.10	*	T107.2
MEMPHIS	W4BS	448.20	443.20	*	
MEMPHIS	WA4QWW	448.40	443.40	N	A
MEMPHIS	WA4KOG	448.80	443.00	N	NB
MEMPHIS	KA5RYF	448.95	443.95	N	
MEMPHIS	KA0BRN	448.975	443.975	N	ALT
MEMPHIS	WA4ETE	449.00	444.00	*	T
MEMPHIS	K4RDK	449.025	444.025	N	
MEMPHIS	KA4JXT	449.10	444.10	*	RP
MEMPHIS	WA4KOG	449.40	444.40	N	
MEMPHIS	K0JXI	449.60	444.60	N	
MEMPHIS	K0JXI	449.80	444.80	N	
MEMPHIS	K5FC	449.825	444.825	N	
MEMPHIS	WB4MMI	449.90	444.90	N	TAL
MEMPHIS	WB4NNE	449.95	444.95	N	O
MILAN	WD4ABJ	447.10	442.10	N	
MONTEAGLE	N4SSB	447.40	442.40	*	LT
MORRISTOWN	KA4NEX	449.20	444.20	N	
MORRISTOWN	KD4LP	449.80	444.80	*	AB
MORRISTOWN	KD4LP	449.975	444.975	*	P
MT JULIET	WB4PUB	448.05	443.05	N	P
MULLOY	KD4BNW	447.90	442.90	N	BT
NASHVILLE	KJ4ZQ	439.25	421.25	N	V
NASHVILLE	KB4ZOE	448.775	443.775		
NASHVILLE	KI4OG	449.05	444.05	N	ALTR
NASHVILLE	WB4NTM	449.15	444.15	*	ATL
NASHVILLE	N4ARK	449.225	444.225	*	BLPT107.2
NASHVILLE	N4PYI	449.525	444.525	*	CT107.2
NASHVILLE	WA4WCK	449.575	444.575	*	T
NASHVILLE	N4TK	449.625	444.625	*	PT
NASHVILLE	W4AY	449.675	444.675	N	
NASHVILLE	WA4BGK	449.825	444.825	*	T
NASHVILLE	WA4AKM	449.875	444.875	*	T
NASHVILLE	WA4AKM	449.975	444.975	*	LRPT107.2
OAK RIDGE	K4EAJ	449.40	444.40	*	L
OAKFIELD	WA4BJY	447.20	442.20	N	PTL
OSWALD DOME	WD4DES	447.25	442.25	N	
PARIS/GROVE HL	WA4WKS	448.50	443.50	N	
PULASKI	KB4TPI	439.250	421.250	N	V
PULASKI	KB4TPI	447.150	442.150	N	
RAMER	WB4MMI	449.90	444.90	N	
ROCKWOOD	KA4WJS	448.975	443.975	N	
SHELBYVILLE	KC4KRM	448.825	443.825	*	
SHORT MTN	N4OYS	449.65	444.65	N	
SMRYNA	KJ4RA	448.975	443.975	N	
SODDY DAISY	WJ9J	449.45	444.45	N	BELRP
WATERTOWN	N4IDG	449.90	444.90	*	P

920 MHZ

MEMPHIS	N4MW	902.28	BEACON	*	
MORRISTOWN	KD4LP	908.80	920.80	*	BP
NASHVILLE	K4ZGA	910.25	923.25	N	LV

1270 MHZ

MEMPHIS	N4MW	1272.00	1292.00	*	B
NASHVILLE	N4MEY	1277.25	439.25	N	VL

VIRGINIA REPEATERS

(Listing updates for some repeaters courtesy of T-MARC)

10 METERS

NEWPORT NEWS	WB4CTF	29.60	29.60	*	R
ONEIDA PK/BLFLD	WZ8E	29.58	29.68	N	RL
ROANOKE/POOR MT	WB8BON	29.54	29.64	N	CL
STERLING	KD4DN	29.58	29.68	M	MT

6 METERS

ALEXANDRIA	WA4CCF	52.13	53.13	M	ML
ARLINGTON	KI4MB	52.05	224.06	M	MCL
BEDFORD/THAX MT	WB4DBB	52.15	53.15	*	
CENTERVILLE	KA4DCS	52.58	52.48	M	M
DANVILLE(DCC)	AA4QT	52.13	53.13	*	
GATE CITY	N4WWB	52.21	53.21	*	ABL
GUM SPRINGS	KB4MIC	52.07	53.07	*	
HERNDON	WD4KHP	52.62	52.92	M	TM
LEXNGTN/ROCK MT.	KI4ZR	52.01	53.01	*	L
RICHMOND	WB4FAX	52.43	53.43	N	
ROANOKE	WB4DBB	52.25	53.25	*	L
ROANOKE/POOR MT	WB8BON	52.09	53.09	N	CL

2 METERS

ABINGDN/BRMLY MT	K4LSP	146.01	146.61	N	L
ABINGDON	NM4L	146.34	146.94	*	ABL
ACCOMAC	WA4TVS	147.855	147.255	*	EB
ALEXANDRIA	WB4MJF	144.55	145.15	M	M
ALEXANDRIA	WD4PDP	146.055	146.655	M	MP
ALEXANDRIA	W4HFH	147.915	147.315	M	ML
ALTAVISTA	WA4ISI	146.055	146.655	*	BELP
ALTON	WD4LBM	146.46	147.06	*	P
ARLINGTON	N4EFJ	144.87	145.47	M	M
BARREN SPRINGS	K4HZS	146.07	146.67	N	
BEAVERDAM	N4CZJ	144.65	145.25	N	BP
BEDFD-APL ORCH	WA1ZMS	144.81	145.41	*	BT100.0
BEDFD/APL ORCH	WB4DBB	144.63	145.23	*	
BEDFORD	WB4JBJ	147.705	147.105	N	PL
BLACKSBURG	AB9I	146.115	146.715	N	
BLAND	N4AZJ	144.75	145.35	*	RP
BLUEFIELD	W8MOP	144.89	145.49	*	P
BLUEMONT	WA4TSC	147.90	147.30	M	M
BRISTOL	WD4CYZ	146.28	146.88	N	
CHARLOTTESVILLE	KC4YLX	144.69	145.29	N	
CHARLOTTESVILLE	WA4TFZ	146.16	146.76	*	
CHARLOTTESVILLE	WA4TFZ	146.325	146.925	*	
CHASE CITY	W4AXH	146.31	146.91	*	
CHESAPEAKE	K4NDH	144.69	145.29	N	E
CHESAPEAKE	NS3F	144.73	145.33	*	
CHESAPEAKE	N4GSP	146.01	146.61	*	ABE
CHESAPEAKE	N4SD	146.19	146.79	*	AE
CHESAPEAKE	KL7SR	147.705	147.105	N	C
CHESTERFIELD	KA4CBB	147.96	147.36	*	PE
COLLINSVILLE	KN4DE	147.72	147.12	*	BLT103.5
COVINGTON	WA4HTI	146.205	146.805	*	L
CULPEPER	AA4VI	147.72	147.12	M	M
DANTE	WD4CYZ	147.855	147.255	N	
DANVILLE(DCC)	AA4QT	146.325	146.925	*	AET103.5
DANVILLE/WHT OAK	KM4AU	146.10	146.70	*	BERP
ENON	WA4ECM	147.66	147.06	*	BP
FAIRFAX	W4LBL	146.19	146.79	M	MP
FALLS CHURCH	W4AQD	144.75	145.35	M	MT
FARMVILLE	WA4QQI	144.73	145.33	*	
FINCASTLE	W4WIC	146.04	146.64	*	A
FOREST	KA7UKJ	144.77	145.37	*	L
FRANKLIN	K4SPS	147.90	147.30	*	PE
FREDRICKSBURG	WB4LNT	147.615	147.015	M	M
GALAX/BRIRP MT	N4VL	147.69	147.09	*	A
GALAX/LKOUT MT	N4VL	144.53	145.13	*	R
GATE CITY	N4WWB	146.22	146.82	*	
GLADYS	N4UTN	147.945	147.345	*	BL
GLOUCESTER	KC4TOG	144.77	145.37	*	PE
GRUNDY	K4HWQ	147.915	147.315	N	A
GRUNDY/BIG A MT	WD4DCX	146.235	146.835	N	L
GUM SPRING	WB4IKL	147.87	147.27	*	
HAMPTON	K4DHO	146.13	146.73	*	PE
HAMPTON	K4UMI	146.34	146.94	N	T
HARRISONBURG	N4YET	144.53	145.13	M	M
HARRISONBURG	N4RAG	146.295	146.895	N	M
HARRISONBURG	WX4C	147.825	147.225	M	AM
HARRISONBURG	N4YET	147.915	147.315	M	MA
HERNDON	N4FXP	144.71	145.31	M	MP
JEWELL RIDGE	WB4QJZ	147.75	147.15	N	
KILMARNOCK	W2MS	144.61	145.21	*	A
LEXINGTON	KI4ZR	146.07	146.67	*	OR
LEXINGTON	KI4ZR	147.90	147.30	*	A
LEXNGTN/ROCK MT.	KI4ZR	147.93	147.33	*	
LORTON	N4JOQ	144.57	145.17	M	MC
LORTON	KE4ZN	144.57	145.17	M	MT
LUNENBURG CT.HSE	AA4OG	147.84	147.24	*	
LYNCHBURG	W4WWQ	146.01	146.61	*	
LYNCHBURG	AB4M	146.415	147.015	*	P
LYNCHBURG	WA4RTS	147.795	147.195	*	
LYNCHBURG	KB4ILD	147.975	147.375	N	P
MADISON	N4AJO	147.99	147.39	M	M
MANASSAS	WA4FPM	146.37	146.97	M	MBLPE
MARION	KC4SKE	144.67	145.27	N	T103.5
MARION	N4QLF	146.04	146.64	N	A
MARTINSVILLE	AA4QT	147.885	147.285	*	P
MCLEAN	WD4IWG	147.81	147.21	M	MBP
MOUNTAIN LAKE	WZ8E	147.465	146.865	N	PL
MT.LAKE/BALD KNB	K4TUE	146.31	146.91	N	P
NEW MARKET	K4AVW	146.025	146.625	M	MB
NEWPORT NEWS	W4MT	144.63	145.23	N	AEC
NEWPORT NEWS	WA4OHX	144.89	145.49	*	ABET"6"
NEWPORT NEWS	WB4CTF	147.765	147.165	*	PLR
NORFOLK	WA4ZUA	144.57	145.17	*	PER
NORFOLK	NE4D	146.10	146.70	N	E
NORFOLK	KA4HBU	147.675	147.075	N	
NORTON/HIGH KNOB	K4AXO	146.415	147.015	N	LP
OILVILLE	N4TZE	147.69	147.09	N	C
ONEIDA PEAK/BLF	WZ8E	146.355	146.955	N	PL
PEARISBURG	N4AZJ	147.735	147.135	*	
PENNINGTON GAP	N4LQC	146.10	146.70	N	
PETERSBURG	K4ARO	144.55	145.15	*	
PETERSBURG	K4ARO	147.99	147.39	*	
PKS KB/PULASKI	KT4Z	147.78	147.18	*	P
PORTSMOUTH	W4POX	146.25	146.85	*	AE
RICHMOND	K4YPE	144.51	145.11	*	A
RICHMOND	WB4FAX	144.59	145.19	N	
RICHMOND	W4SQT	144.83	145.43	*	P
RICHMOND	WB4QEY	146.04	146.64	N	P
RICHMOND	WA4ZBE	146.28	146.88	N	P
RICHMOND	W4ZA	146.34	146.94	*	
RICHMOND	WA4JST	146.43	147.03	N	
RICHMOND	N4HB	147.735	147.135	*	T
ROANOKE	N4AP	146.34	146.94	N	A
ROANOKE/POOR MT	KC4DY	146.145	146.745	*	P
ROANOKE/POOR MT	W4CA	146.385	146.985	*	BEP
ROANOKE/POOR MT.	WB4QQJ	144.61	145.21	N	YVKL
ROANOKE/POOR MT	NK4ARO	144.79	145.39	*	LC
ROANOKE/POOR MT	NKB4QWO	147.87	147.27	N	BCLP
RUSTBURG/LONG MT	N4UTN	146.235	146.835	*	BP
SALEM	W4PDL	146.28	146.88	*	
SALUDA	AA4HQ	144.85	145.45	*	ABE
SMITHFIELD	N3ELM	147.795	147.195	N	BLPT
STAFFORD	NM7J	144.67	145.27	M	MP
STAUNTON	W4XD	146.10	146.70	*	
STAUNTON	WA4ZBP	146.25	146.85	*	RY
STAUNTON	W4WRN	146.37	146.97	N	E
STAUNTON/EL KB	WD4FOZ	147.645	147.045	*	T131.8
STERLING	WA4TXE	146.115	146.715	M	MBP
STUARTS DRAFT	KB4OLM	147.96	147.36	*	PELP
SUFFOLK/GASBURG	WA4HMT	146.40	147.00	N	PE
TYSONS CORNER	W4XG	146.31	146.91	M	MP
VIENNA	K4HTA	146.085	146.685	M	MB
VIRGINIA BEACH	WA4KXV	146.295	146.895	N	
VIRGINIA BEACH	WA4KXV	146.37	146.97	N	E
VIRGINIA BEACH	WA4SBC	147.645	147.045	N	
VIRGINIA BEACH	W4NV	147.975	147.375	*	AB
WARRENTON	NZ4N	147.765	147.165	M	M
WARSAW	KA4ZIP	147.93	147.33	*	E
WAYNESBORO	W4PNT	147.675	147.075	*	PEL
WILLIAMSBURG	K2QU	144.81	145.41	N	C
WILLIAMSBURG	W4NTG	146.07	146.67	*	AB
WILLIAMSBURG	KB4ZIN	146.16	146.76	*	A
WINCHESTER	W4RKC	146.22	146.82	*	ME
WOODBRIDGE	WB4FQR	147.84	147.24	M	MA
WYTHEVILLE	WD4MUQ	146.175	146.775	N	103.5

220 MHZ

ALEXANDRIA	WA4CCF	223.22	224.82	M	ML
ARLINGTON	KI4MB	222.46	224.06	M	M
BEDFD/APL ORCH	WB4DBB	224.26	222.66	*	RL
BEDFORD	N4PLV	223.24	224.84	*	B
BLFD/E.RIVER MTN	N8LGA	223.32	224.92	*	C B
CHARLOTTESVILLE	KB4YQC	222.54	224.14	*	BCPT
COLLINSVILLE	KN4DE	222.82	224.42	*	
DANVILLE	AA4QT	222.78	224.38	*	
DANVLE/WHITE OAK	N4GLA	222.84	224.44	*	AE
DELTAVILLE	AA4HQ	223.30	224.90	*	AE
FAIRFAX	WB4YHD	222.50	224.10	M	ML
FALLS CHURCH	N4CHP	223.38	224.98	M	MP
GASBURG/LK GAST	NWA4HMT	223.00	224.60	N	C
GLOUCESTER PT	N4THN	223.02	224.62	*	BEP

MORE VIRGINIA REPEATERS

HAMPDEN-SYDNEY	WB4PEA	222.60	224.20	*	O
HAMPTON	KB4UHA	223.26	224.86	N	OABER
LEESBURG	WA4TXE	222.42	224.02	M	M
LOVETTSVILLE	WB4FUJ	222.86	224.46	M	MC
LYNCHBURG	AB4M	222.68	224.28	*	P
MANASSAS	KB4CVL	222.74	224.34	M	M
MANASSAS	WA4FPM	223.06	224.66	M	MBLPE
MARTINSVILLE	WB4BVI	222.90	224.50	*	P
PETERSBURG	K4ARO	223.10	224.70	*	
RICHMOND	WA4ONG	222.92	224.52	N	K
ROANOKE	WB4DBB	222.50	224.10	*	L
ROANOKE/CHAUS MT	AB4EM	223.34	224.94	*	
SINGERS GLEN	K4SAD	223.22	224.82	M	MC
STERLING	WD4KHP	222.12	223.72	M	M
TYSONS CORNER	WD4KHP	222.82	224.42	M	MT
TYSONS CORNER	WD4KHP	223.12	224.72	M	M
VIENNA	K4HTA	222.34	223.94	M	M
VIRGINIA BEACH	N4WQJ	223.14	224.74	N	
WOODBRIDGE	WB4GJZ	223.18	224.78	M	M

440 MHZ

ALEXANDRIA	WA9GVK	426.25	439.25	M	MV
ALEXANDRIA	WA9GVK	426.25	911.25	M	MVL
ALEXANDRIA	W4HFH	449.60	444.60	M	M
ALTAVISTA	WA4ISI	449.425	444.425	*	BELP
ARLINGTON	KA4DCS	444.875	449.875	M	M
ARLINGTON	KI4MB	449.15	444.15	M	M
BEDFD/APL ORCH	WB4DBB	449.35	444.35	*	L
BIG "A" MTN	KB4WTP	449.875	444.875	*	
BLUEFIELD	WZ8E	449.625	444.625	N	PL
BLUEMONT	WA4TSC	444.925	449.925	M	M
CHANTILLY	K4HTA	443.375	448.375	M	MC
CHARLOTTESVILLE	WA4TFZ	449.25	444.25	*	
CHESAPEAKE	K4NDH	448.80	443.80	N	P
CHESAPEAKE	N4EVG	448.90	443.90	*	PE
COLLINSVILLE	KN4DE	449.575	444.575	*	T103.5
COVINGTON	WA4HTI	447.25	442.25	*	O
ENON	WA4ECM	449.20	444.20	*	R
FAIRFAX	WD4KHP	444.775	449.775	M	MCL
FALLS CHURCH	N4EFK	449.30	444.30	M	M
FALLS CHURCH	K8ZOA	449.45	444.45	M	ML
FOREST	W8CXD	448.60	443.60	N	O
FOREST	WD4KQI	449.75	444.75	N	A
GASBURG	WA4HMT	447.00	442.00	N	C
GATE CITY	N4WWB	449.70	444.70	*	L
GREAT FALLS	N3AVA	449.05	444.05	M	M
GUM SPRING	KB4MIC	447.80	442.80	*	
HAMPTON	K4UMI	448.65	443.65	N	
HAMPTON	K4OGT	449.55	444.55	*	EPT167.9
INDEPENDNCE HILL	AA4VA	448.80	443.80	M	M
LEXNGTN/ROCK MT	KI4ZR	449.15	444.15	*	
LORTON	WD4KHP	444.725	449.725	M	ML
LYNCHBG/JACK MT	KF4YI	447.40	442.40	*	P
LYNCHBURG	K4HEX	426.25	923.25	*	V
LYNCHBURG	AB4FU	447.95	442.95	N	PT
LYNCHBURG/TOBRMT	K4HEX	449.50	444.50	*	R
MADISON	N8HON	449.40	444.40	M	MBL
MANASSAS	WD4JCE	444.225	449.225	M	ML
MT. VERNON	WA5ZAI	449.50	444.50	M	M
NORFOLK	WD4MIZ	449.675	444.675	N	
NORTON/HIGH KNOB	WA4NDQ	449.85	444.85	*	BLRT
OILVILLE	KB4MIC	449.80	444.80	*	P
PEARISBURG	N4AZJ	449.975	444.975	*	T103.5
PETERSBURG	WB4KZI	448.825	443.825	*	C
PETERSBURG	K4ARO	449.40	444.40	*	T
PORTSMOUTH	KK4SN	449.00	444.00	*	AE
RICHMOND	N4LFU	448.35	443.35	*	
RICHMOND	K4ARO	449.65	444.65	*	
RICHMOND	K4ARO	449.85	444.85	*	
ROANOKE	KA4YUY	447.175	442.175	*	
#ROANOKE AIRPORT	KD4EG	448.75	443.75	*	UNCOORD.
ROANOKE/LONG RDG	WB8BON	449.925	444.925	N	O
ROANOKE/POOR MT	W4CA	447.50	442.50	*	BEP
ROANOKE/POOR MT.	N4FHL	426.25	439.25	N	V
ROANOKE/POOR MT.	N4VG	447.70	442.70	*	
ROANOKE/POOR MT.	WB8BON	448.65	443.65	N	C
SINGERS GLEN	K4SAD	449.60	444.60	M	MC
SMITHFIELD	N3ELM	448.55	443.55	N	BLPT
SOUTH BOSTON	AB4YR	448.925	443.925	*	C
SPRINGFIELD	WD4KHP	444.825	449.825	M	MT
STAFFORD	KB4OB	448.85	443.85		MBP
STAUNTON	WA4ZBP	449.825	444.825	*	
STAUNTON	W4WRN	449.95	444.95	N	
STAUNTON/EL KNOB	WD4FOZ	449.10	444.10	*	T131.8
STERLING	WA4TXE	447.10	442.10	M	MLP
STERLING	WA4TXE	447.20	442.20	M	M
STUART/SPOON MTN	WA4WTB	449.175	444.175	*	R
STUARTS DRAFT	KB4OLM	449.05	444.05	*	BELP
THE PENTAGON	K4AF	449.55	444.55		MT
TYSONS CORNER	KM4FI	448.50	443.50	M	M
TYSONS CORNER	K4JYF	449.75	444.75	M	M
VIENNA	N4KOU	449.85	444.85		M
VIRGINIA BEACH	WA4KXV	449.95	444.95	N	E
WAYNESBORO	KA5NOJ	439.25	426.25	*	V
WAYNESBORO	WA4EZA	449.20	444.20	*	BT141.3
WHITETOP MTN	KM4X	448.00	443.00	*	BT103.5
WILLIAMSBURG	W4NTG	448.95	443.95	*	
WILLIS	W4DUM	448.875	443.875	*	BT
WINCHESTER	NB3O	444.175	449.175	M	M
WINCHESTER	W3CSG	447.00	442.00	M	M
WOODBRIDGE	KA4DCS	444.875	449.875	M	M
WOODBRIDGE	N4LJZ	448.10	443.10		M
WOODBRIDGE	WB4FQR	449.90	444.90	M	M
WOODFORD	WA4SDE	443.975	448.975	M	M
WYTHEVILLE	WB3T	447.00	442.00	N	ABLRT103.5

920 MHZ

ALEXANDRIA	WA4CCF	907.60	919.60	M	M
FOREST	KB4OSI	909.00	921.00	*	
LYNCHBURG	WA1ZMS	909.10	921.10	*	
ROANOKE	KM4TT	908.90	920.90	*	RP

1270 MHZ

ALEXANDRIA	WA4CCF	1270.60	1282.60	M	M
MCLEAN	K6LEW	1272.10	1292.10		M
ROANOKE/POOR MTN	WB4DBB	1271.02	1291.02	*	O
TYSONS CORNER	WR4S	1272.00	1292.00	M	MB

WEST VIRGINIA REPEATERS

(Listing updates for some repeaters courtesy of T-MARC)

10 METERS

BECKLEY/BOLT	KA8OTX	29.52	29.62	*	
BERKELEY SPRINGS	KK3L	29.52	29.62	M	ML
CHARLESTON	WB8CQV	29.54	29.64	N	L
PARSONS	KE8QC	29.54	29.64	*	TLO

6 METERS

BOLT/BOLT MT	N8DKL	52.05	53.05	N	
#ST ALBAN/COAL M	WD8JKA	52.03	53.63	N	UNCOORD.

2 METERS

BARBOURSVILLE	KB8EHJ	146.48	441.00	*	L
BECKLEY/BOLT	N8FRV	144.57	145.17	*	AL
BECKLEY/EOC	KD8VS	144.77	145.37	*	A
BECKLEY/FLAT TOP	WA8WDK	146.25	146.85	*	
BECKLEY/LAYLAND	WF1G	144.71	145.31	*	L
BERKELEY SPRINGS	KK3L	144.990	29.620	M	ML
BERKELEY SPRINGS	KK3L	146.145	146.745	M	MB
BLUEFIELD	W8MOP	144.89	145.49	*	P
BRIDGEPORT	WB8DKM	147.72	147.12	*	PT
BUCKHANNON	N8FHE	144.53	145.13	*	AL
BUCKHANNON	N8FHE	144.81	145.41	*	A
BUCKHANNON	WD8L	146.25	146.85	N	
CHARLES TOWN	N8EIV	146.385	146.985	M	MT-NIGHT
CHARLESTON	WS8L	144.83	145.43	*	P
CHARLESTON	WB8IFS	146.22	146.82	N	AE
CLARKSBURG	N8FMD	146.085	146.685	*	L
CLARKSBURG	N8FMD	147.81	147.21	*	T103.5
CLARKSBURG	KE8MR	147.915	147.315	N	
CRAIGSVILLE	N8FMD	144.67	145.27	*	L
ELKINS	KB8BWZ	146.175	146.775	*	
EVANS	KD8TC	147.81	147.21	N	
#FAIRMONT	W8SP	146.30	146.90	N	UNCOORD.
FLAT TOP/WINTRPL	WF1G	146.025	146.625	*	A
FRANKLIN	W3RUA	147.945	147.345	*	B
GASSAWAY	WB8MZI	146.01	146.61	N	
GLENVILLE	KA8ZXP	144.69	145.29	*	AELR
GLENVILLE	KB8EUN	146.235	146.835	*	
GRAFTON	WD8LNB	147.975	147.375	*	
GRANTSVILLE	N8LGY	144.85	145.45	*	PE
HARRISVL/PENSBROW	B8NSL	147.90	147.30	N	
HINTON	KB8EQC	147.855	147.255	*	AB
HORSEPEN MT	NV8H	147.795	147.195	*	PL
HUNTINGTON	WB8FEQ	144.61	145.21	N	Y
HUNTINGTON	W8VA	146.16	146.76	*	PEL
HUNTINGTON/CHAS	WB8EZR	146.04	146.64	*	ER
#KINGSTON/LICK K.	W8FG	144.87	145.47	N	UNCOORD.
LEON	WD8OHX	147.78	147.18	*	
LEWISBURG	WA8AVZ	146.13	146.73	*	P
LIBERTY	W8HYX	144.81	145.41	N	
#LOGAN	WA8ZLR	146.09	147.11	N	UNCOORD.
LOGAN/SUMERCO	NU8K	147.945	147.345	*	PL
LOGAN/WARD RK MT	KJ8E	146.37	146.97	*	PL
MARTINSBURG	WA8FSE	144.55	145.15	M	MB
MARTINSBURG	WB8YZV	147.855	147.255	M	M
MCMECHEN	N8FQN	148.31	146.91	*	
MORGANTOWN	K8LG	144.83	145.43	N	AL
MORGANTOWN	W8CUL	146.16	146.76	*	PL
MORGANTOWN	KE9QC	147.675	147.075	*	AELRP
MT STORM	KA8JTH	147.705	147.105	N	PLER
MULLENS/HRNDN MT	KC8IT	147.63	147.03	*	R
NEW MARTINSVILE	KF8LL	146.385	146.985	*	AB
OAK HILL	W8OQC	146.19	146.79	*	E
PARKERSBURG	WV8G	144.89	145.49	*	ABC
PARKERSBURG	WF8U	146.145	146.745	*	AE
PARKERSBURG	WA8CRW	146.37	146.97	N	A
PARKERSBURG	WA8LLM	147.855	147.255	*	A
PARKERSBURG	WA8CRW	147.99	147.39	N	B
PARSONS	KE8QC	144.73	145.33	*	BELRPT
#POINT PLEASANT	W8KNM	147.66	147.06	N	UNCOORD.
PRINCETON	KA8PNC	146.46	147.06	*	P
PRINCETON	WB8NRK	147.825	147.225	*	
PRINCETON/PIPEST	WD8OGY	146.325	146.925	N	A
RAVENSWOOD	WD8JNU	146.07	146.67	N	P
RAVENSWOOD	WD8JNU	146.10	146.70	N	R
RICHWOOD	WB8YJJ	144.59	145.19	*	B
SALT ROCK	WD8MCR	144.51	145.11	N	
SCOTT DEPOT	WC8S	147.87	147.27	N	PEL
SHERRARD	KD8GL	146.115	146.715	*	EPL
SO. CHARLESTON	WB8CQV	146.28	146.88	N	L
SPENCER	WT8Z	147.705	147.105	N	
SPRUCE KNOB	N8HON	147.885	147.285	*	L
ST ALBANS	K8WMX	146.40	147.00	*	B
ST ALBANS	KA8SVR	147.75	147.15		BELRP
ST ALBANS	K8WMX	147.975	147.375	*	Y
ST MARYS/BENS R	WB8ECC	147.63	147.03	N	L
SUMMERSVILLE	K8VKB	146.34	146.94	*	
TERRA ALTA	KD8ZR	147.60	147.00	*	AE
UPPER TRACT	KB8BUC	146.055	146.655	*	B
WEIRTON	W8CWO	146.34	146.94	*	ABEP
WELCH	WB8SXZ	144.85	145.45	N	
WESTON	WD8EOM	144.79	145.39	N	P
WHEELING	WB8JGY	144.59	145.19	N	PL
WHEELING	W8ZQ	146.16	146.76	*	B
WILLIAMSON	WR8M	144.73	145.33	*	AR

220 MHZ

#CHARLESTON	WB8YST	222.76	224.36	N	UNCOORD.
FLAT TOP/WINTRPL	WF1G	222.52	224.12	*	A
#LEON	WD8OHX	222.18	223.78	*	UNCOORD.
PARSONS	KE9QC	222.88	224.48	*	ALR
#WILLIAMSON	WR8M	222.54	224.14	*	UNCOORD.

440 MHZ

ALDERSON	WF1G	449.40	444.40	*	OA
BECKLEY/BOLT	AA8BS	447.30	442.30	*	PRC
BECKLEY/KINGSTON	WF1G	449.80	444.80	*	R
BUCKHANNON	N8FHE	448.10	443.10	*	L
CHARLESTON	KB4BNW	449.75	444.75	*	
CLARKSBURG	N8FMD	449.175	444.175	*	T103.5
GLENVILLE	KA8ZXP	449.325	444.325	*	
#HUNTINGTON	W8VA	447.60	442.60	*	UNCOORD.
HUNTINGTON	WB8EZR	448.00	443.00	*	
MORGANTOWN	K8LG	449.70	444.70	N	L
MORGANTOWN	W8CUL	449.80	444.80	*	OPL
#MULLENS/HRNDN	KC8IT	449.00	444.00	*	UNCOORD.
PARKERSBURG	W8VT	448.05	443.05	*	T141.3
PARKERSBURG	N8ILO	449.10	444.10	*	B
PARKERSBURG	WV8G	449.775	444.775	*	BC
PARSONS	KE9QC	447.20	442.20	*	BEPLR
SO. CHARLESTON	WB8CQV	449.95	444.95	N	RL
ST. ALBANS	K8MHR	448.15	443.15	*	BELP
#THOMAS	KE9QC	449.65	444.65	*	UNCOORD.

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WEST VIRGINIA NOTES

-by Ted Wolfe, WD4KHL
Send News To: P.O. Box 133, Cabin Creek, WV 25035

The month of June just flew by. The house here was being painted and some electrical work being done and that kept me busy and before I knew it -- July and my August copy deadline had arrived.

*****

That's RALPH McDONOUGH, K8AN, chairman of the Wheeling Hamfest looking at the camera and standing in front of the TSRAC booth. Ralph is also editor of the TSRAC newsletter. (Photo by Ted Wolfe, WD4KHL)

SERA QUARTERLY FINANCIAL STATEMENT

-by Ray Adams, N4BAQ, SERA Treasurer

FINANCIAL REPORT FROM JANUARY 1 TO JUNE 30, 1989, 1990, 1991 and 1992

Dues	$6/$15	$6/$15	$6/$15	$6/$15	$6/$15
REVENUES	1988	1989	1990	1991	1992
Advertising	$ 4,154.50	$ 4,578.50	$ 7,652.70	$ 5,984.00	$ 5,401.50
Associate membership dues	6,720.00	5,948.25	5,321.00	6,379.00	7,212.15
Full membership dues	3,173.00	3,730.50	5,663.00	5,082.50	3,729.75
Decals	116.50	31.00	3.00	117.75	52.00
Postage - includes HOT-P	81.00	103.50	113.50	172.25	188.50
Hats	36.00	- 0 -	- 0 -	- 0 -	- 0 -
Contributions	- 0 -	186.40	- 0 -	50.00	100.00
Interest	294.59	155.74	220.80	259.75	261.70
Other	12.00	90.00	95.25	46.25	27.75
	$14,587.59	$14,823.89	$19,069.25	$18,091.50	$16,973.35
EXPENSES					
Journal mailing	$ 1,359.16	$ 1,510.21	$ 1,516.36	$ 1,886.50	$ 1,038.56
Journal production	8,225.06	10,007.43	9,099.36	8,497.29	11,297.72
Miscellaneous	25.00	105.75	140.00	85.30	- 0 -
Travel and meetings	261.01	1,822.54	648.96	847.86	1,427.55
Office expenses	187.08	236.48	160.28	985.19	876.91
Postage - other than journal	410.89	978.02	624.64	1,022.29	1,529.83
Printing - other than journal	254.24	336.71	157.87	58.24	699.55
Telephone	539.18	363.55	366.96	833.26	882.32
	$11,261.62	$15,360.69	$12,714.43	$14,215.93	$17,752.44
REVENUE OVER (UNDER) EXPENSES	$ 3,325.97	($ 536.80)	$ 6,354.82	$ 3,875.57	($ 779.09)
Balances, beginning of year					
Expenses advanced	$ 900.00	$ 900.00	$ 900.00	$ 900.00	$ 900.00
Invested in office machines	1,696.00	3,026.00	3,203.60	2,749.00	4,340.50
Cash in bank	7,252.05	5,393.35	4,156.54	9,130.27	12,958.28
	$ 9,848.05	$ 9,319.35	$ 8,260.14	$12,779.27	$18,198.78
EQUITY TO ACCOUNT FOR	$13,174.02	$ 8,782.55	$14,614.96	$16,654.84	$17,419.69
Less: Expenses advanced	$ 900.00	$ 900.00	$ 900.00	$ 900.00	$ 900.00
Invested in office machines	3,053.29	3,026.00	3,203.60	5,958.18	6,407.70
	$ 3,953.29	$ 3,926.00	$ 4,103.60	$ 6,858.18	$ 7,307.70
CASH IN BANK	$ 9,220.73	$ 4,856.55	$10,511.36	$ 9,796.66	$10,111.99

I attended the Charleston, WV, hamfest in April and the one in Wheeling in May. More on the Wheeling event later in this column. I didn't feel up to the drive to Ripley for the Jackson County, WV, hamfest so soon after my Wheeling trip. Those who did go to Ripley reported a good turnout there. Bluefield's hamfest came and went before it really registered on me. I was otherwise occupied on the day it was held. And I won't be making the West Virginia State ARRL Convention and Hamfest at Jackson's Mill the first weekend in July. It, too, will be history by the time this is in print.

Huntington will have come and gone also by the time you receive this issue of the *Journal*. I hope you got to attend as many of the summertime hamfests as you wanted to.

*****

This year was a first time for me at Wheeling. I drove up late at night the evening prior to the hamfest date. I showed up in the Parking lot outside the Crystal Palace in Wheeling Park just after 4:00 a.m. There were already a few early arrivals when I got there.

I napped in the pickup till daylight made sleeping impossible. By then the parking lot had filled with a lot more vehicles as a lot of hams arrived well before opening time for the hamfest. Next year, I am thinking of leaving still earlier so as to arrive in Wheeling early enough on Saturday afternoon to take in the WWVA Wheeling Jamboree. I am a country music fan.

*****

Ralph McDonough, K8AN, is the editor of the Triple States Radio Amateur Club. I have corresponded with him and have enjoyed his writing in the club's newsletter but I had not met him in person till this year's Wheeling hamfest, for which he was Chairman. Elsewhere in this issue you will probably find a picture of Ralph at the TSRAC booth at the hamfest.

With the June issue of the newsletter the masthead was changed to *"TSRAC A.R. News Bulletin."* The change should eliminate a lot of questions about the origin and meaning of B-N-T. The change reflected advice from judges for the ARNS newsletter competition.

Ha! Even the ARRL is considering changing its name since 'Radio relay league' doesn't have much meaning anymore.

The Wheeling Park venue is a beautiful location for the hamfest. Next time maybe I'll have time to also make my first visit to Oglebay Park.

*****

As I write this Field Day has come and gone. I was not able to get away from home to visit any of the club operating sites in the Valley.

*****

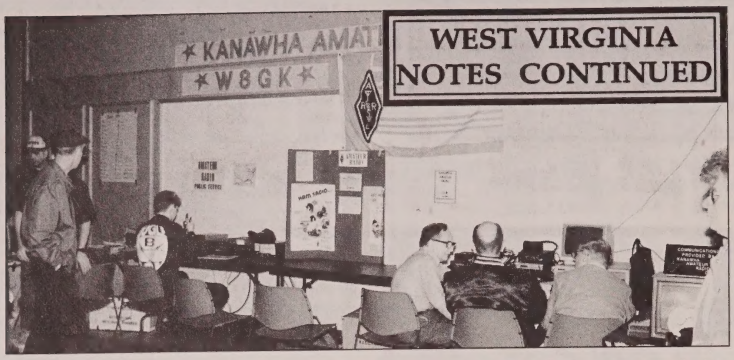
Sam Moore, is off on his Alaska trip and reporting back frequently by by radio. At last report he had visited Mt. Rushmore. As Sam left there was still no word on Jason's (his grandson) new Extra class call.

*****

"Splatter," the newsletter of the Kanawha Amateur Radio Club of Charleston, has been advised that it had been awarded an "Excellent" rating in the ARNS newsletter competition for 1991. For this year's Field Day KARC

Continued on Next Page

WEST VIRGINIA NOTES CONTINUED



The KARC Kanawha Mall demonstration in March (see story May Repeater Journal). Ken WD8AEW, compiled a list of everyone he saw from the club at the demonstration: N8RKX, KB8NGS, KC8FS, WV8V, N8AJC, KB8ZM, W8NA K8BS, N8PQI, W8HYX, N8MFV, WA8FLF, N8GEB, WD8V, KA8ZGY, N8NGI, KB8NJI, W8ZHN, and K8IXO (not all are in the picture). Ken hoped he hadn't missed anyone -- but I was there to take the picture. (Photo by Ted Wolfe, WD4KHL)

was set up at Shelter #9 at Little Creek Park on a high elevation above South Charleston.

The club was conducting a membership drive in hopes of topping the 100 member mark. The June newsletter reported the number of members had ben then reached 97 so when the drive is over they /should exceed their goal. KARC's membership has never been greater (in number as well as participation) than it is at present. KARC has been in existence in one form or another since 1949, but it should also be noted that there are three local Amateur radio clubs in areas competing for membership.

The club is also attempting to revive and formalize its ELMER program of years past to aid and assist new Amateurs and/or prospective hams in the club.

* * * * *

From Bill, K8BS, this little nugget: The oblique stroke (/) used between fractions is called a slant, slash, diagonal, solidus, shilling, virgule, or separatrix. Most of you will recognize it as ***daw di di daw dit."***

* * * * *

The spring issue of *"The Current,"* newsletter of the East River ARC at Bluefield reports club membership has climbed to 132 with the addition of a number of new hams including no-code Techs.

Those new members have brought new ideas, more help for projects and other gains to EARARC. Club president Jim, KC8NG, calls it a blessing and now repends his opposition to the no-code proposal when it was first suggested.

The ERARC meets the first Monday of each month in the Community room of the Westgate Acme Supermarket beginning at 7:00 p.m. ERARC membership dues are $10 per year and $1 for each additional family member. Jim Perdue is President; Mike Walters (KA8BXS), Vice-President; Dean Gatherum (N8OLT), Secretary; and Bob Frazier (WB8NRK), Treasurer.

* * * * *

Over 4,100 West Virginia Amateur radio license records, current through the Spring of 1992, have been compiled by the Jackson County ARC and put on a disk which will run on any IBM compatible computer. Also included is on-disk HELP documentation for quick and easy reference and use. This disk of the *West Virginia Callbook On Disk* is available for $8.00 postage prepaid. For those wishing a copy, check should be made payable to WVCOD, C/O Jackson County Amateur Radio Club, P.O. Box 598, Ripley, WV 25271 (from the Wood County ARES newsletter).

* * * * *

Members of the Southern West Virginia ARA in the Lewisburg area were active for three days in early June at the Ronceverte River Festival. They manned a hot dog booth which also included an Amateur 2-meter

Continued on Next Page

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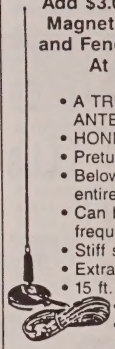

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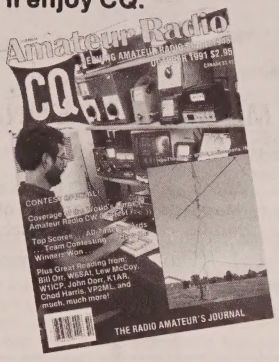

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The Southern West Virginia ARA in the Lewisburg area held a successful hot dog stand at the Ronceverte River Festival in early June. A 2-meter transceiver was set up at the booth for Amateur demonstration during the three day event. Shown manning the tent: Leonard Osborne, N8DIS, his wife Helen, and David Bliel, NY8G. (Photo Provided by SWVARA)

station for demonstration purposes. Working the Festival were Leonard Osborne, N8DIS, and his wife Helen, David Bliel NY8G, Mike Sheridan KB8NWV, Harry Sargent KF8TQ, David Hersman WB8NXA and his wife Crystal KB8DGJ, Norman Loudermilk WA8AVZ and his wife Kitty N8PKQ, Bill Cissell KB8NWU, and Bill Grostick WA4FZG.

*****

Also Calvin Christian KB8LPP and his mother Edna, Mark Smith KF8FO, Herb Montgomery KB8NWS, Wayne Boone WB8SPW, and club president Gary Bostic WV8D. Several of the members had recently upgraded their license class. The club scheduled its first annual picnic at Alderson on July 18.

Continued on Page 53

SAM MOORE, W8NCD, just prior to his departure for Alaska. He stopped by WD4KHL's QTH for that J-45 military key he is holding. The military clamp on your leg above the knee key will permit Sam to operate mobile CW if he wishes. He's equipped with VHF/UHF and HF gear, plus even a CB radio on the seat beside him. Last report as this is mailed was that Sam had reached and visited Mount Rushmore. The 78-year-old ham off on this adventure had no set timetable except to "get back out of Alaska before it turns cold again. (Photo by Ted Wolfe - WD4KHL)

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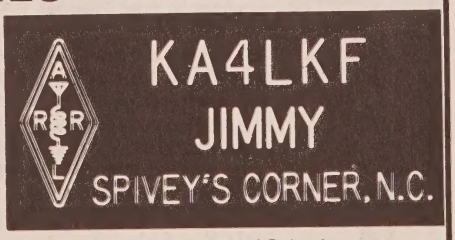

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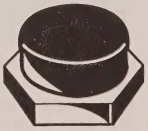

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VIRGINIA NEWS

-by Calvin C. Burnette, N4UTN
Send News To: Route 1, Box 561-B, Rustburg, VA 24588-9747

Since this is my first attempt to write for the Repeater Journal, I hope all you readers will bear with me as I stumble down the road of journalism. We will be taking the job of Virginia news correspondant, and submit news about Virginia hams and their activities for each future issue of the Repeater Journal. I believe introductions should be the first in order. I am Calvin C. Burnette, alias N4UTN. I live near Rustburg, Virginia. I have no children, two dogs and a wife. Okey, lets get the show on the road.

* * * * *

Lynchburg area hams have come to the rescue again. May 16th communications was provided for the Tour De Cure Diabetes Association Bike-a-thon in Appomattox. Then LARC members provided support and communications for the Law Enforcement Torch Run for Special Olympics on June 4th. Last, on June 13th and 14th, amateurs from Virginia's Hill City coordinated closely with the Charlottesville ARES group, led by N4FWA, to provide communications for the Multiple Sclerosis 150 mile bike race (Whew!!!) One thing for sure: hams know how to communicate.

Geep Howell, WA4RTS, of the Lunchburg club reports that most of the summer will be leisure time, but come September, it's back to business with the Virginia Ten Miler, the Diabetes Association Walkathon, and the Lynchburg Road Runners' 5k and 10K events on Labor day weekend. There will also be more events too numerous to mention.

Congratulations to all the people who were and will be involved for such a fine example of how Amateur Radio benefits us all. The Lynchburg Amateur Radio Club meets every second Friday each month at 7:00 p.m. at the Lynchburg Public Library, 2315 Memorial Avenue, and welcomes anyone with an interest in Ham radio.

PACKET ACTIVITY

John Price, N4QWP, has placed a DX node in service on 147.51 MHz. Known by the alias of DXLYN, it provides a path to the KC4DY DX Cluster and is open to all area users. It is located on Candler's Mountain in Lynchburg and has a clear path to Roanoke.

(Editor's Note: 2M voice operations may receive interference from this DX node which is placed on a 2M voice FM simplex frequency, not on assigned digital frequency. We urge you to be patient and move elsewhere when possible.)

* * * * *

The WA4BTE BBS formerly serving the Shenandoah Valley has been replaced by the N4YRZ BBS utilizing AA4RE software. It is accessible via either LAIRDS or ENOB. Frequencies currently being used are 145.05 and 145.01.

* * * * *

The N4KZF BBS in Bedford County has the capability to operate 9600 baud via telephone. This feature is currently being used to forward long haul traffic. States covered are Maryland, Arizona, South Carolina, Florida, California and Virginia. Dave Caulder, N4ZKF, is one of only about 10 hams using the 9600 feature nationwide.

* * * * *

A new 145.09 backbone is going into service to cover the Shenandoah Valley, Roanoke, and other surrounding areas. It is presently under construction by N4ZKF and N4YRZ. More news on this one in the future.

A Note From The Writer

Anyone with Virginia news to the Amateur community please mail to Calvin C. Burnette, N4UTN, Route 1, Box 561-B, Rustburg, VA 24588-9747. All articles must be in by the 25th of the second month preceding publication month of the next Repeater Journal. Our deadline to the Journal is the first of the month, prior to month of publication. Deadlines to me are: September 25th for November Journal, Dec. 25th for February Journal, March 25th for the May Journal, and June 25th for the August Journal.

If you know of a new repeater going into service, events, packet news, or whatever, just send me a letter describing such and I will get it in. We would like a good mix of voice and digital news. We can use your photographs too!. Thank you and until next time, adios.

FallFest 92

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Presented in Layman's Terms

The Dead Bull (DB) Gain Theory

-by Tillman Riddle, KD4IYJ
(Tnx to Bluefield ARC "Current")

It is common knowledge among Amateur radio operators that certain antennas work better than others. Of course, you have your SWR to worry about and you need elevation and stability and you, as a beginner, have ample opportunity for confusion.

If you have not been confused in your introduction to the radio hobby it must be because you have not tried. If you apply yourself to the job, confusion will surely follow.

Feed-line impedance is a perfect example of what I am talking about. Take any ordinary piece of 50 ohm coaxial cable, your trusty ohm meter and try to find the 50 ohms. If they ever were in there they have been run off or gone at least on vacation, because you will not find them.

Your trusty meter will not even wiggle as you probe and test.

I am saying, "Where are the ohms?" I do not enjoy being lied to, particularly while seeking recreation and sport with my new hobby.

You, if you have not already, will eventually be staggering around a hamfest, calculating your dwindling resources and come upon an antenna vendor. You will probebly be aware at this time that the rubber covered antenna on your portable radio can be improved by substituting one of a different configuration. As a cautious consumer, alert to the wily tricks of oriental marketing geniuses, you will shop carefully for a better antenna. It is at this point in the process that you will find it easy to become a victim.

As you probably know, the bottom line on antennas is the "gain" rating. You will be fascinated by this idea, because it is your best chance to get something for nothing. So, the average new ham, his wits sharpened by having just been examined for technical knowledge, bubbling with confidence after programming his radio, and eager to have a better signal, will gravitate to the gain vendors and begin stocking up on antennas. The rest of the ham community will hear him later on the air looking to borrow SWR meters and searching for the gain he thought he bought.

Although, it strains me to even consider the subject, in an effort to be of service to my fellow new hams I will risk the probability that I will be publicly humiliated by being wrong and try to explain the thing about gain.

As I said before, you get something for nothing. It is called a **Db.** Every time you find three more of these in your antenna you double the strength of your signal without increasing it.

This is accomplished by adding certain loops, twists and curls to the radiating element of your antenna in opportune places known only to mysterious individuals who do not seem to be available for comment. The exact design and location of these loops and twists seems to be a dark secret carefully preserved by members of obscure oriental cults. But, fortunately to the problem at hand, our language is equipped with a thing called allegory, by which we can defeat the oriental mind and define seemingly impossible things and throw light into dark corners and make sense of the senseless by describing it in similar, but simpler terms.

When you apply the art of allegory to the problem of Db, and gain, the clouds part and the sun begins to shine and you start of understand.

It works this way: The paradox in antenna design is that if you do it right you can put 30 watts in and get 400 watts out. In an effort to straighten this matter out for people who fail to understand it, I offer the following allegory.

The farmer loads his bull in the truck for the trip to market. Later, while speeding down the highway, the bull climbs out of the truck and is run over by a big tractor-trailer rig. The effect is to spread the bull over the landscape considerably, thereby increasing his zone of influence or area of coverage or radiation pattern whichout adding any more bull to the pie. The effect can also have certain direction properties to it under specific circumstances. Anyway, what-you-have, on-the-thing, with-it. and what-have-you, Harrumph, is a **D**-ead **B**-ull. You have no more bull than you started with, but he will attract more attention.

Carolina Digital CC Listing

Continued from Page 22

Packet Cluster
145.65 ..... AVLDX:N4AA-5 Asheville
144.93 ..... STNC:N4ZC Stanley

Gastonia Local Area Network - 145.07

BBS
145.07 ..... GASBBS WB4KDF-4 Gastonia

Nodes
145.07 ..... GASTON:WB4KDF-7 Gastonia

Charlotte Local Area Network - 145.05

BBS
145.01 ..... BBSCLT N7IJI Charlotte
145.05 ..... CLTBBS W4BFB Charlotte

Nodes
145.01 ..... NCCLT W4BFB-1 Charlotte
145.05 ..... CLT W4BFB-2 Charlotte
145.69 ..... LOCUST KC4FWC-1 Locust

Concord Local Area Network - 145.67

Nodes
145.67 ..... CON:K4CEB-1 Concord

Other known digipeater systems
145.01 ..... NCWILK:KC4KRR-2 Wilksboro
145.05 ..... WILKES:KC4KRR-3 Wilksboro
145.01 ..... RNC:KM4OX Raleigh
145.01 ..... GSB:WD4JPQ-2 Goldsboro
145.01 ..... PGV:WD4JPQ-1 Greenville
145.01 ..... EWN:WA3JPY-1 New Bern
145.63 ..... EWNLAN:WA3JPY-2 New Bern
145.01 ..... BOGUE:WA4RHY-9 Morehead City
145.01 ..... NCJAX:K6CEL-1 Jacksonville
145.01 ..... RWI:WF2G-1 Rocky Mount
145.01 ..... RRNC:N4WFU-1 Roanoke Rapids
145.01 ..... PLY:KB4ZAZ-1 Plymouth
145.01 ..... FAY:WA4FLR-8 Fayetteville
145.01 ..... NCLBT:W4NHV-1 Lumberton
145.01 ..... NCLBG:K4QO-1 Laurinburg
145.01 ..... NCILM:KB4NOZ-1 Wilmington
145.69 ..... ILMLAN:KB4NOZ-2 Wilmington
145.01 ..... N4UGM-1 Carthage

Other known BBS systems
145.01 ..... K4IWW-2 Raleigh
145.63 ..... UOUBBS:WB4UOU-1 Grifton
145.01 ..... WF0L-1 Jacksonville
145.01 ..... LBTBBS:KF4WQ-2 Lumberton
145.69 ..... ILMBBS:N4CCK-2 Wilmington

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See Pages 8-9

GEORGIA NEWS

-by Mike Flammia, N4PLM

Send News To: 5303 Driskell Drive, Winston, Ga. 30187

On Thursday April 16th I was on my way to a business meeting in Knoxville, TN. I had a 1:00 pm appointment and since I had plenty of time to drive up from Atlanta, I planned to meet with a good friend, Larry N4CCC, who lives in the metro Atlanta area but was working in Knoxville that week.

Things had been going good. I had left the Douglasville area right on time. I talked with a couple of friends on the 145.11 repeater and picked up I-75 north by Lake Allatoona.

I had the Bronco II in cruise control and had gone through Chattanooga and was somewhere north of Cleveland, Tn. when something in the engine went "thump" and the truck went dead. I pulled over into the breakdown lane and coasted to a stop. Hmmm, what do I do? I turned the key and the engine fired. Ah, I said, just some technical foul up. I put the truck in gear and started off. I didn't even get out of the breakdown lane when the engine went dead again. This time for good.

I knew I had passed Cleveland a few minutes ago, but I had no idea exactly where I was. Those of you who travel I-75 through Tennessee will no what I mean when I say that I was in the middle of nowhere, or at least felt like it.

What should I do? That's easy. Do what any self respecting ham would do. Get on the Cleveland 2 meter repeater and ask for help. Ok, where is the repeater directory? Couldn't find it. Well, how about the last SERA Journal? Didn't have that with me. That will teach me. Never again will I leave without a repeater listing in the Bronco. I put the Kenwood 731 in scan mode and soon it stopped with a very clear QSO going on. I broke in and told them that I was broken down somewhere north of Cleveland and could they place a call for me. Turns out the repeater I was on was in Knoxville, but they gave me a frequency in Cleveland. I believe it was 147.18.

I got on the frequency and asked if anyone could make a call for a disabled vehicle. I was answered by Paul, KE4JX. Let me tell you about Paul. He went to a service station in Cleveland and arranged for a wrecker for me. Then he got out on I-75 north and found me. (I was about 15 miles north of Cleveland). Paul then found a friend in Cleveland on the repeater and had him go by the service station and give them my exact location. KE4JX sat by the side of the road with me while we waited for the wrecker. We were sitting there talking about Pauls new handi when out of the handi came a call for me. Who could that be? Who even new where I was? It was Larry, N4CCC who I was supposed meet for lunch in Knoxville. Larry travels I-75 a lot and knew where to look. I explained what happened and soon N4CCC was on the way from Knoxville.

The wrecker showed up and towed the Bronco back to Cleveland. KE4JX drove me back in his new pick-up. About 30 minutes later, while the mechanics were still looking at my truck N4CCC showed up. Larry was going back to Atlanta anyway, he just left a little early. So while the mechanics looked at the truck Larry, Paul, and I went to lunch. Over Paul and Larry's protests I picked up the tab for lunch.

Turns out that a computer module that controls the distributor firing was the culprit. After repairs Larry and I headed back to Atlanta.

Thanks again to Paul KE4JX for coming to the rescue. And take a lesson from me have a repeater directory or a SERA Repeater Journal with you at all times when traveling.

I'm sure that stories like mine are commonplace in the ham radio world, but it still makes me proud the I belong to such a great hobby.

* * * * *

The Coastal Amateur Radio Society will be doing antenna work on the 146.70 and 147.21 repeaters. Word has it that AC4JP will be leaving town if the work doesn't correct any problems that have been occurring.

The C.A.R.S. people sent me a copy of their club news. Thanks. Those of you in the Savannah area should try and check in on their net on Sunday evenings at 9:00 p.m. local time on the 146.70 repeater.

* * * * *

Well, Field Day is over. Hope you all went out and had a good time with your local club or group. It took me about 2 days to recover but it sure was fun. The local club that I belong to added a packet station to our set up for this year. It was great fun for the novice and techs.

* * * * *

Please send your news to me at the address at the beginning of the column. Note, its changed from the last issue. 73

GARA Picnic Held

On June 6, 1992 the Greensboro Amateur Radio Association - GARA sponsored a picnic at Hagan Stone Park to benefit the Amateur Radio Emergency System - ARES. A good time was had by all the people who attended. A weather alert radio was won by a young man Josh Owens, who is visually handicapped, during the raffle that raised money to be donated to ARES.

A fox hunt was arranged by Joe, WB2HOL, Mike, WA4ZYF, Monica, KD4DMI and others. Gene KD4BEZ, with the help of Roy N4BYU was successful in locating the hidden transmitter. Howard N4QXJ was the acting Master of Ceremonies Some hams enjoyed playing softball and *accidentally* damaging KD4BEZ's new truck,

Many prizes were donated by KI4ON Bernard. Thanks again to all who made this picnic possible, ESPECIALLY: KD4BQT Phillip and KD4BQG Linda whom without their sincere dedication none of this would have been possible. Good food and good fun for everyone, hope we can have another one! (-by Steve KD4BQX & Kathy KD4BQW)

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John Hamby, WB4UZW Visiting Friends in Hawaii

Area Ham Aids In Sea Rescue

Special to the Repeater Journal
-By Jim Reid, KH6/W6KPI

A trip to Hawaii for John Hamby, WB4UZW of Winston-Salem, N.C. turned out to be more than a stroll on the beach.

John along with several friends helped rescue a stranded fishing boat that was drifting into Cuban waters, more than 5,000 miles away.

WB4UZW was on vacation on the island of Kauai, visiting KH6/W6KPI, Jim Reid's Lawailoa Bed and Breakfast Retreat for hams. Bill Tise, KB4UZN, was also there, and had been working some interesting DX earlier. But now it was Sunday afternoon, and John was ragchewing with his friends back in North Carolina and Virginia. At about 4:30 p.m. HST (0240Z) on June 8th, John thought he heard a weak "breaker" on the frequency of 14.245 MHz. A station signing "WYZ2403" was heard claiming he had an emergency situation on board a ship off the coast of Cuba in the Carribean sea.

John and the fellas decided this was a hoax or a prank of some sort, and went back to visiting with the guys on the informal rag chew net. However, a few minutes later, at 0312Z, WYZ2403's signal increased in strength as received on Kauai. He identified himself as Eddie Jacobson, skipper of the commercial vessel Sea Harvest out of Ft. Myers, Florida, bound for the Cayman Islands.

He said his ship had been struck by lightning a few hours earlier; and he had lost all navigation equiupment, including in particular his most valuable GPS system with which he had approached quite near to Cuban waters before the lightning struck. His immediate concern was that he not enter Cuban waters. He had been sending distress calls for some time, and was now getting desperate and had come up onto the Amateur radio band seeking help as a last resort.

John asked that the frequency be cleared for emergency traffic and had one of his North Carolina friends, Larry, AC4JG, call the Coast Guard station in Miami. Soon they were on frequency calling the Sea Harvest, however the ship could not hear the Coast Guard station.

For the next few hours, KH6/W6KPI station on Kauai, acted as the radio relay link between the U.S. Coast Guard in Miami and Eddie Jacobson and his vessel the Sea Harvest. Three operators took turns spelling one another, performing the frequency relays needed.

During the conversations, the Sea Harvest was approached and circled by a dark unidentified vessel. The decks of the vessel were lined with men, but Eddie said apparently none of them could speak English. The Coast Guard gave Eddie some Spanish words to use, and finally after asking in Spanish, "Which way is South?", somebody understood enough to give a heading to the south, which would keep the Sea Harvest from entering Cuban waters. Then the ship departed.

Finally the Coast Guard and the Sea Harvest were in solid communications. The Coast Guard directed Eddie to sail due South at 8 knots.

The three hams at Kauai felt Eddie was now out of harms way, with solid communications with the Coast Guard and other hams on frequency, so they decided to shut down after wishing Eddie, his crew and ship well.

Subsequently, K6LHF, Norm McNamara of El Monte, Ca. continued to monitor the frequency and later had to relay for the Coast Guard Cutter "Courageous" from Kingston, Jamaica some 400 miles from the position of the Sea Harvest.

Eventually the Sea Harvest and the Courageous left the Amateur bands and QSYed to a maritime frequency where they had solid ship-to-shore copy.

A Lt. Dolan of the Miami Coast Guard confirmed that the Sea Harvest was headed on its way and out of trouble.

Jim Reid, W6KPI, John Hamby, WB4UZW and Bill Tise, KB4UZN all agreed, this experience certainly ranked as the most thrilling, exciting, and satisfying time of all their years in Amateur radio.

(Editor's Note: Their story will appear in QST, probably in August, and Jim and John got a nice writeup in the "Garden Island newspaper on Kauai, and John received additional writeups in the High Point Enterprise, and the Winston-Salem (NC) Journal.) See Photo on Journal Ins. Ft. Cover.)

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Entered Thru Other Door

Continued from Page 25

YOU have a license and care to join them? The Chamber of Commerce of Loudon County, Tennessee asked RACK to set up a station at an exposition they were staging at a park in the spring, for instance. Although they had to cross two counties to get there, David and Tammy were part of the gang that enjoyed that outing too.

Active on packet and not liking the weak link in the system that East Tennessee had become, David decided to do something there too. Rose switch AC4JF-5 now operates on 145.05 MHz from some 3,500' AMSL on Cross Mountain, home of KA4AZQ/R, and provides the access to surrounding states in virtually all directions. It is set up primarily as an emergency network (part of SEDEN - SouthEastern Digital Emergency Network) with David and KA4AZQ as co-sysops. Of course it is usable by typical ham for any allowable application during normal times. He also serves as a control operator for not only KA4AZQ/R system but N4OQJ/R as well.

In summary we believe it is fair to say that in one short year, David has earned the position of a respected leader in the Amateur Radio community of Middle East Tennessee by making genuine contributions in a surprising variety of areas of Amateur Radio yet, as best we can determine, alienating no one. That is a truly remarkable accomplishment. We doubt its repetition in the foreseeable future.

I initially mentioned the idea of recognizing David to a RACK board member, suggesting that it be stipulated that this presentation is not to be thought of as setting a precedent, and should not be expected in any particular year until and unless someone clearly distinguishes themselves by spontaneous enthusiastic activity in the best interest of Amateur Radio in general without the first expression of self-indulgence. It got brought up at the next board meeting without my even attending. The board members individually thought so much of the idea, it was decided to pay for a memento, not with club funds, but with spontaneous personal contributions. That served to keep it out of the Treasurer's reports. Angie Crigger N4RPR held the hat. Minutes of the Board meeting as printed in "Rack Panels", the club's monthly newsletter, were carefully edited to exclude any reference to the conspiracy. Several first hand witnesses to his activities were sitting on that board as full voting members, even to the presiding officer. I decided to wait and contribute what was needed to finish the obligation.

The AC4JF graduates proved to be quite generous. My only contribution is the presentation of the award. I had told them what it would cost. When the contributions were turned over to me to pay the bill, it was in the form of crisp currency that left no room for "topping off." There is no list of contributors. They don't want recognition, just the knowledge that they have said "thank you" in a manner that hopefully will be interpreted as encouragement for David to keep on keeping on making the contributions I suspect he enjoys in the first place.

We have a shadowbox appropriately engraved to DAVID WATERS AC4JF as the 1992 HAM OF THE YEAR, bearing the logo of the Radio Amateur Club of Knoxville and done with the full approval of its Board of Directors and the surprise approval of its Membership this the 18 th day of June, 1992, and for the honor of presenting it, I thank you.

P. S. I joined RACK in April, 1978. The above presentation spontaneously generated the only standing ovation I have seen the club offer any person or situation since I have been a member. Do you know of any other NOCODE hams we could enlist into the membership? We could use more like this pair!

Transmit Wisely!

When you are working repeaters, always be aware of where your signal is going. Don't interfere!

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1/4-Page (Horiz)...4-3/4x3-3/4"	$32.00
1/4-Page (Horiz)...7-1/4x2-3/8"	$32.00
1/6-Page (Vert)...2-1/4x4-7/8"	$22.00
1/6-Page (Horiz)...4-3/4x2-3/8"	$22.00
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1/8-Page (Horiz)...7-1/4x1-1/8"	$16.00
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1/12-Page (Horiz)...4-3/4x1-1/8"	$11.00
Club/Repeater Cards	$18.00 yr.

Printed Image is 2-1/4x1-1/4" (With min of 1 yr. contract, payment in advance)

Classified Ads $3.00
(30 Words Maximum. Payment In Advance)
Color (Blk + 1 Add'l Color) ..... add $35.00
Publisher's choice usually RED, If Customer requires any other color ..... add $50.00.
Positive Photoprints, Halftones ..... ea $4.25

If adwork must be adjusted to fit ad space, photographs require screening, reversals needed, pieces of art size adjusted or re-screened the $4.25 photoprint charge will be placed for EACH piece of art requiring additional camera work unless art can be ganged. Production will make every effort to keep charges to a minimum.

ADVERTISING DISCOUNTS

1 Ad (Any Size)	Std. Rate
2nd Ad (same size)	10% off
3rd Ad (same size)	15% off

SPECIFICATIONS

Sizes listed Above are width by length in that order. Ads which run between sizes will be billed according to column inch rate at midpoint.

Prices quoted are for exact size, camera-ready positive photoprint or pasteup. Full color ads for covers require negative, right reading emulsion down. 150-Line screens preferred. Color key or matchprint included. Camera work, design, typesetting, pasteup is available at a nominal charge. Proofs will be submitted for approval

The Repeater Journal cannot be held liable or responsible for errors in advertising, or to the quality or accuracy of advertising claims, incl. antenna gain figures which may or not be correct.

All advertising copy and insertion orders should be sent to the Repeater Journal Advertising Manager: Sharon Ward, P.O. Box 215, Tobaccoville, N.C. 27050. Ad Insertion Order deadline for new ads is 10 days prior to copy deadline. We cannot guarantee publication of ads received after deadlines.

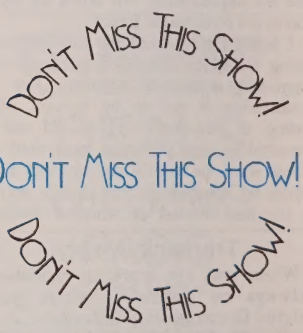
COPY DEADLINE DATES

February Issue - Jan. 1, May Issue - Apr. 1, August Issue-Jul. 1,November. Issue - Oct. 1.

17th Annual
Va. Beach HamFest and Computer Fair
Roanoke Division Convention
September 19 & 20, 1992
Va. Beach Pavilion

ARRL 1992 Roanoke Division Convention
Major Commercial Exhibitors & Dealers
Spacious Outdoor Tailgating Area
ARRL & DX Forums
Hundreds of Dealers
Ladies & Children's Activities
Excellent Food Services
Major Local Attractions
Amateur Exams & Upgrades

Special Guests:
Gordon West WB6NOA
Gordon Hare, KA1CV - ARRL Labs
Charles Hutchinson, K8CH - ARRL Member Services



Plenty of Free Parking
Over 80,000 Square Feet of Displays!
Special Rates at Nearby Radisson Hotel
Call 1-800-333-3333 for Rates
Held at Pavilion Conference Center
Off Route 44 in Va. Beach, VA
Talk In on 146.970 MHz

Exhibitor Information

Commercial Dealer Booths
Lewis B. Steingold, W4BLO
3449 Dickens Drive
Va. Beach, VA 23452

(804) 486-3800
FAX (804) 486-0757

Commercial Tables and Flea Market Spaces
Manny Steiner, K4DOR
3512 Olympia Lane
Va. Beach, VA 23452

(804) 340-6105

presented by
Tidewater Radio Conventions Inc.

17th Annual Virginia Beach HamFest & Computer Fair™

1992 ARRL Roanoke Division Convention

September 19 and 20, 1992

Virginia Beach, VA

Saturday - 9 am until 5 pm - Sunday - 9 am until 3 pm

Virginia Beach Pavilion Convention Center

Forums and Seminars

Packet Radio - Antennas - Computer Hardware - Federal Communications Commission - MARS - Ladies Forums - ARES RFI Elimination - Checking of DXCC QSL Cards - Repeaters - DX - Contesting - and much much more!

Special Guest – Gordon West WB6NOA

Gordon West, WB6NOA has been a licensed radio operator for over 25 years. In his numerous monthly articles in over 17 different magazines, he makes technical explainations fun to read and easy to understand. We appreciate Mr. West's support!

Major Manufacturers – Dealers User Groups

Kenwood	Computer Discounters	Shareware To Go
Icom	EHI Company	Pleasure Dome BBS
Yaesu	RadioScan Magazine	Palomar Engineers
Alinco	AEA	Electronics Specialists
Japan Radio	Popular Communications Magazine	WordPerfect Corporation
Alfa Electronics	CQ Magazine	Prodigy Systems
United Computers	Battery Tech	Greentree Computers
Connectors Unlimited	NCG Antennas	Data Outlet Shareware
REMware	Star Tek	DOS Umbrella Magazine
73 Magazine	Delaware Radio	Batteries-R-Us
Computer Outlet	MFJ Enterprises	Public Brand Software
VA BBS Association	Microsoft Inc	plus many more...

Save $1 By Ordering Tickets Now! $5 In Advance – $6 At Door!

Please rush me _____ tickets for the 17th Annual Va. Beach HamFest & ComputerFair at $5.00 per ticket ordered. I understand that orders received after September 5, 1992 will be held for pickup at the door.

☐ Amateur Radio Operator ☐ Computer Enthusiast ☐ Other: _____

Name _____

Address _____

City _____ State _____ Zip Code _____

Send this coupon with a Stamped, Self-Addressed Envelope to:

Manny Steiner, K4DOR - 3512 Olympia Lane - Va. Beach VA 23452

Make Checks & Money Orders Payable to TRCI

The SERA Repeater Journal

VE/VEC EXAMINATION SCHEDULE

The VEC/VE Exam schedule is published Free as a public service of SERA. Schedules are supplied by individual VEC/VE teams. For quarterly changes, or additions, write the Repeater Journal Editor. SERA cannot assume any responsiblity for erronious or outdated listings other than typographical errors.

Tennessee

Blount County, Maryville WCARS-VEC

Second Monday on each even month. Sked: Aug. 10, Oct. 12, and Dec. 14, 1992. 7:00 P.M. at St. Andrews Church Hall, W. Broadway, Maryville. Walk-ins normally accepted. Contact: Carrol Peabody, W4PCA (615) 982-5839. Talk-in: 146.85.

Carter County WCARS-VEC

Exams given on the fourth Friday evening of each odd numbered month at 7:00 p.m. Pre-registration is required by Wednesday before the Friday night tests. NO walk-ins. Schedule: Sep. 25, and Nov. 27, 1992. at Moody Aviation, Carter Cty. Airport. Contact Joe Hopkins, K4BKI, 414 E. "H" St., Elizabethton, Tn. 37643 (615) 543-4022 or Jon Christiansen, AB4NN, Echo Dr., Elizabethton, Tn. 37645 (615) 543-7155.

Chattanooga WCARS-VEC

Walk-in exams held on the first Monday of off numbered months at Walker County Civic Center, Hwy. 27, Rock Springs, Ga. at 7:00 p.m. Schedule: Sep. 7 and Nov. 2, 1992. For more information, contact: Alan Painter, WA4QCH, 234 Wallaceville Rd., Rossville, Ga. 30741, or Dale Harwood, N4VFF, Rt. 4, Box 297-B, Hwy. 41N, Ringgold, Ga. 30732. (404) 937.5680.

Fentress County WCARS-VEC

Walk-in exams scheduled third Thurday night of first month of quarter at 7:00 p.m. at First Baptist Church. Schedule: Oct. 17, 1992. For information contact: Mike Ledbetter, AB4BX, (615) 879-8626 or alt: Steve Qualls, KJ4HT, (615) 879-7517. Talk-in: 147.09.

Gallatin WCARS-VEC

Walk-in exams held first month of each quarter, and Oct. 3, 1992. Exams held at Volunteer State Community College, Gallatin. For more information contact: Ronnie L. Gilley, KA4LUG (615) 452-0883 or Jerry Goodchild, K4DZR, (615) 824-7699.

Greeneville WCARS-VEC

Walk-in exams on 4th Saturday of each odd-numbered month at Roby Adult Center on College St. Sked: Sep. 26, and Nov. 28, 1992. Contact: Jack Creed, K4EPC, 826 Rosebud Dr., Greeneville, Tn. 37743. (615) 638-7056. Talk-in: 147.39 & 224.94..

Henry County WCARS-VEC

Walk-in exams held about every 6 weeks at 9:00 a.m. at Henry County High School, Paris. Schedule: Aug. 22, Oct. 3, Nov. 14, 1992. Contact Mackie Gallimore AA4YF, (901) 247-5489. Alt. Les Merrell, KQ4F, (901) 642-5966. Talk-in: 147.165.

Jasper WCARS-VEC

Pre-Registrations preferred some walk-in exams limited to test materials on hand, held each second Sunday afternoon at Jasper Public Library at 1:00 p.m. Sched. Aug. 9, Sep. 13, Oct. 11, Nov. 8, and Dec. 13, 1992. Charles Wooten, KD4XX, (615) 942-5116. Talk-in: 145.19.

Johnson City WCARS-VEC

Exams are conducted 3rd Saturday of each even month at 10 a.m. at ETSU, Room 223. Participants must be registered at least 1/2 hour before exam time. Sked: Aug. 15, Oct. 17 and Dec. 19. Contact Charles Hensley, AC4QF, Rt. 2, Box 19A, Unicoi, Tn 37692. (615) 743-5144, or at work (615) 926-1171, ext. 7807. Alternate contact: C.V. Jayne, Jr. W4NHT, 2408 Hawthorne Dr., Johnson City, Tn. 37601. (615) 282-5822. Talk-in: 146.79.

Knoxville WCARS-VEC

Pre-Registrations accepted in exam room until 9:30 a.m. Code tests begin at 10:00 a.m. and written elements at 11:00 a.m. Third Saturday of each month normally. Upgrades only. Novice testing on request from N4BAQ, ND4F, WA4GZE, N4IJL, W4MHA, WA4TKN and others. Pellissippi State Tech. Room B-129. Pre-registration required. Schedule: Aug. 15, Sep 19, Oct. 17, Nov. 21, and Dec. 19. Contact: Ray Adams, N4BAQ, 4325 Felty Dr., Knoxville, Tn. 37918. (615) 688-7771. Alt. Rich Slover, ND4F, P.O. Box 30754 Knoxville, Tn. 37930, (615) 539-4821. Talk-in: 147.30 & 224.50

Loudon County, Loudon WCARS-VEC

Fourth Saturday of each even month, at Third National Bank on U.S. 321 E. (321 is Exit 81 on I-75, then East to Bank) Walk-ins normally accepted. Sked: Aug. 22, Oct. 24, and Dec. 26, 1992. Contact: Bob Gray, KE4SK (615) 458-6115. Talk-in: 145.17.

McMinn County WCARS-VEC

Exams on 2nd Monday evening at 8:00 p.m. of each odd numbered Month, at Athens Municipal Building Council Chambers. Walk-ins accepted. Sked: Sep. 14, and Nov. 9, 1992. Contact: Evan Ray, WA4PNI. (615) 263-9300. Talk-in: 145.31

Memphis WCARS-VEC

Walk-in exams held 3rd saturday of each even month and each 4th saturday at 9:00 a.m. at Central Church on Winchester Road. Schedule: Aug. 15 & 22, Sep. 26, Oct. 17 & 24, Nov. 28, Dec. 19 & 26. Contact: Win Guinn, W2GIJ, (901) 754-4552 or Nita Wofford, N4DON, (901) 363-4971.

Morristown WCARS-VEC

Walk-in exams 1st Thursday of each odd-numbered month, at 7:30 p.m. at the Red Cross Building. Schedule: Sep. 3, and Nov. 5, 1992. Contact Roy Zeigler, KF4CB (615) 586-3491, or D.C. Gluck, WD4FOX, (615) 586-2041 for info. Talk-in: 147.225

Roane County WCARS-VEC

Walk-in exams are held on the second Saturday of each even month at Pond Grove School, Rockwood. Schedule: Aug. 8; Oct. 10, and Dec. 12, 1992. Contact: Richard Spille, AA4KS, (615) 354-4281. Alt. Bill Smelcer, KA4AAD, (615) 354-1010. Talk-in: 147.015.

West Virginia

Beckley W5YI-VEC

The Smoke Signal Ridge VE Team, sponsored by the ARA, Northern Dividion will conduct Novice through Extra Class test sessions in Rooms C108 and C109 at the Mine Safety & Health Admin. Academy, located near Beckley, adjacent to the Raleigh County Airport just off Exit 125 on I-64. Walk-in exams begin promptly at 6:00 p.m. on Sep. 19 and Dec. 12.

Bluefield W5YI-VEC

Exams (Novice thru Extra) second Saturday each Quarter during 1992, Feb., May., Aug., and Nov. 9:00 a.m. Bluefield State College. Walk-ins are preferred. Contact: Don Williams, WA4K, (Bluefield VE Team) (703) 326-2411 or (703) 326-3338.

Charleston, W5YI-VEC

The Kanawha Valley group gives Novice thru Extra class exams at 9:00 a.m. 3rd Saturday of each month, at Holy Trinity Catholic Church in Nitro. Walk-ins are accepted. Talk-in on 40-00 St. Albans repeater.

HUNTINGTON, TARA W5YI-VEC

The Tri-State ARA VE Team will conduct Walk-In Exams at the Our Lady of Fatima Church, 545 Norway Ave. Huntington. Check-in by 9:15 a.m., exams at 10 a.m. Bring photo ID, current license and copy. Schedule: Aug.8, (tentative) Oct.10, and Dec.12. For further exam information Contact: Jim Baker, K8KVX, (304) 736-6542.

NITRO, W5YI-VEC

Walk-in exams (register at site) are held at the Holy Trinity Catholic Church. Registration begins at 9:00 a.m.. Talk-in on 40-00. Schedule: Sep. 19, and Nov. 21. For further information contact: Jimmie Hewlett, WD8MKS, 2207n Fairlawn Ave., Dunbar, WV 25064. (304) 768-1142.

Virginia

Bedford ARRL-VEC

Walk-in exams for all classes are held every 2nd Sunday of the month at 1:00 p.m. at the Liberty Lake Park Administration Building. For further info, contact August Meidling, N4PVU (703) 297-5515

Danville W5YI-VEC

Walk-in Exams for all license classes are held the last Tuesday of each month January through November, 1992 at Danville Community College, Hill Building. Registration starts at 6:30 p.m. Contact Richard Marshall, WB4CCT, (804) 793-0772 for further information.

Roanoke WCARS-VEC

Upgrades only. Novice testing on request from AF2D or W4OLD. Pre-registration only. For information on upcoming exams, contact Fred L. Horton, KZ4Y, 4024 Oakland Blvd., Roanoke, Va. 24012. (703) 366-6266. or Ben Giavaden, N4BG, Rt. 7, Roanoke, Va. 24022, (704) 344-7000. Talk-in on 146.985.

Norfolk, Va. Beach, Hampton Roads, Portsmouth, Chesapeake, Wmsburg.

All exams: Walk-ins are ok, but contact person would like to know in advance you are coming. Bring original license and photo copy and any license upgrade certificates. See individual exam announcements for appropriate contact person.

ARRL EXAMS - make check for $5.40 payable to ARRL/VEC. For W5YI Exams - make check for $5.40 to Bill Verebely/ VEC. For Hampton Roads Radio Assn. exams, make check out to HRRA/VEC.

Southeastern Virginia Schedule

HAMPTON ROADS RADIO ASSN. (W5YI/VEC) contact Bill Runyon, N4BDH at 487-8611. Sked: Nov. 21.

PORTSMOUTH ARC (ARRL/VEC) Contact Art Thiemens, AA4AT at 484-2857. Sked: Nov. 7.

SOUTH PENINSULA ARC (ARRL/VEC) Contact Ed Brummer, W4RTZ at 898-8031.

VIRGINIA BEACH Hamfest/ARRL Roanoke Division Convention - Exams September 19. at Va. Beach Pavillion-Hamfest site. For information contact - Ed Brummer W4RTZ 898-8031

VIRGINIA BEACH ARC (ARRL/VEC) contact Ed Robinson, WD4GOY, 468-0866. Sked: Dec. 5.

WILLIAMSBURG ARC (ARRL/VEC) Contact Andrew Swanson, WJ4X at 253-2811. All exams walk-ins only. Sked: Oct. 10.

North Carolina

Asheboro VE Team

Exams held each quarter at Belfour Baptist Church, 1642 N. Fayetteville St. and at other times when there are sufficient examinees to warrant an exam session. For exact dates or further information, contact: Dwight Ayers, N4ZRT, P.O. Box 246, Cedar Falls, N.C. 27230. (919) 629-5516.

Asheville WCARS-VEC

Walk-in exams are held on the last Saturday of April, July and October at 9:00 a.m. at the Health and Social Services Bldg. 25, July 25 at Hamfest and Oct. 24. Contact Norman G. Harrill N4NH, 7 Skylyn Ct., Asheville, NC (704) 253-1192. Talk-In: 146.91 & 224.60.

Durham

Exams are given on the 2nd Saturday of odd months. Please pre-register by mail with SASE to Ky4Y, 120 Radcliff Circle, Durham, NC 27713.

Greensboro W5YI-VEC

Walk-in exams for all license classes are held the 3rd Thursday of each month, at the Trotter Center on Vandalia Rd., January thru November, 1992. Registration starts at 6:30 p.m. For more information, contact WB4CCT, WB4WOR, N4GGD, N4BYU or W3GRG on the 146.76 repeater, or call Real Talk (919) 299-2525, Prompt 0076, on a touch tone phone to get the latest exam updates.

High Point TEARC-VEC

Exams are scheduled on an occasional basis in High Point. Call Jim Williamson, NQ4T at (919) 841-7576 for more details. Special sessions are also available for groups of 5 or more applicants, call to set up a session.

Kernersville TEARC-VEC

Exams are scheduled each 1st Saturday of the Month at 9:00 a.m. at the Kernersville Public Library. Contact Jim Williamson, NQ4T at (919) 841-7576 for details.

Leicester WCARS-VEC

Walk-in exams held second Saturdays each quarter. at 9:00 a.m. at the Leicester VFD on Hwy. 63, 9.3 Mi N of Hwy 19 &

VE Exam Schedule Continued Next Page

VE/VEC EXAMINATIONS
CONTINUED FROM PREVIOUS PAGE

23 (Patton Ave-Asheville). Schedule: Sept. 12, and Dec. 12. Contact: Larry E. York, WB4PLA, Rt. 4, Box 420, Leicester, NC 28748. (704) 683-1400. Talk-in on 146.835 & 224.66.

Marion WCARS-VEC
Walk-in exams will be held on Aug. 15, and Nov. 21 at the Asheville Federal Bank on Main St. Contact: Cecil D. Potter, WB4UCF, Rt. 4, Box 860, Marion, N.C. 28752. (704) 724-4007. Talk-in on 146.985.

Maysville Hamfest (Oct. 11)
Walk-in exams will be held at the Maysville Hamfest in Maysville on October 11. Sign-in at 9 a.m. required. For info contact: Andy Griffith, 203 Lord Granville Dr., Rt. 2, Morehead City, NC 28557. (919) 726-5924 or (919) 247-0967.

New Bern WCARS-VEC
Walk-in exams held at Craven Community College at 9:00 a.m. on Aug. 8. For info contact: Andy Griffith, W4ULD, 203 Lord Granville, Dr., Rt. 2, Morehead City, NC 28857. (919) 726-5924 or (919) 247-0967.

Raleigh
Examinations are conducted on the 1st Wednesday of even months. Pre-register by mail with SASE to AA4MY, 220 Carriage Trail, Raleigh, NC 27614.

Rutherford County WCARS-VEC
FCC Exams are held at Isothermal College in Spindale on the 3rd Saturday, 1st Month of each quarter. Oct. 17. For information contact: A.B. Brackett, KO4BJ, Rt. 2, Box 242, Bostic, NC 28018 (704) 245-63344 or Alternate: F. Bruce Tessinear, KD4OJ, P.O. Box 341, Henrietta, NC 28076. (704) 657-5464. Talkin on 147.24.

Salisbury W5YI-VEC
Salisbury VE team has Exams on 2nd Sunday of each month, at 1:00 p.m. Location is at the Rowan County Public Library. For more information contact: Isabelle Ledford, AB4UX, P.O. Box 826, Cooleemee, N.C. 27014. (704) 284-2414.

Tarboro ARRL/VEC
The Tar River ARC gives exams every two months at the Heritage Hospital in Tarboro at 9:00 a.m. Bring I.D., orig and copy of license. Schedule: Sep. 12, and Nov. 14. For further information or assistance, contact Bill Thomas WF2G, 652 Short Spoon Cir., Rocky Mt., NC 27804. (919) 442-6131 *(Ed. Note: brochure did not mention walk-in, however did not indicate pre-registration required. Suggest call.)*

Yadkinville VE Team
Walk-in FCC exams are given on the 2nd Saturday of each month at the Yadkinville Elementray School on Rt. 601 at 10:00 a.m. For information call Steve Hutchens, N4DEY at (919) 961-8741.

Georgia

Augusta, ARRL-VEC
Walk-in exams conducted 2nd Saturday, every even month at Fort Gordon, Bldg. 31424 at 9:00 a.m. Schedule: Aug. 8, Oct. 10, Dec. 12. Contact: Ace Norton, NA4I (404) 798-5060. Talk-in 146.985.

Augusta WCARS-VEC
Exams on 2nd Saturday of each Odd numbered month at Sue Reynolds Community Center. Code tests at 10 a.m. Written elements at 11 a.m. Walk-ins normally accepted. Sched. Sep. 12, and Nov. 14, 1992. Contact Jim Abercrombie, N4JA, 2360 Travis Pines Rd., Augusta, Ga. 30906. (404) 790-7802. Talk-In: 145.49.

(Metro Atlanta Area Examinations)

Lawrenceville W5YI-VEC
Exams scheduled 1st Sunday each month at 2:00 p.m. at Jackson EMC, 461 Swanson Rd., Lawrenceville. Walk-ins accepted. Contact Duane Reynolds, WB2YAD, 962-9582.

Peachtree City CA-VEC
Exams scheduled 1st Saturdays at 9:00 a.m. at Peachtree City - City Hall. Take exit 12 off I-85 and go South on Hwy 74. Walk-ins ok. Contact Mike Murphy, KB4KZY, 487-7494.

Roswell CA-VEC
Exams scheduled 1st Monday of each month at 7:00 p.m. at the St. Ann Catholic Church, 4905 Roswell Rd., Marietta. For info, contact: Delaine McCarthy, KM4FV 993-9758.

Stone Mountain CA-VEC
Schedule is 2nd Saturday of each month, at 8:30 a.m. at Stone Mt. Methodist Church, 5312 W. Mt. St. Walk-ins accepted. Contact Hal Martin, KI4RD, 469-6430.

Southern Tech CA-VEC
Exams on 3rd Saturday each month. Walk-ins accepted. 9:00 a.m., at Southern Tech, Room 4310, Academic Bldg.. (Exit 112 from I-75) Contact Hal Martin, KI4RD, 469-6430.

DeKalb County CA-VEC
Walk-in exams held 4th Thurs. of the month at 7:00 p.m. at DeKalb Co. Police, E. Precinct, Lithonia. Contact Harvey Pearson, WB4PHF, 972-5061.

North Atlanta ARRL-VEC
Walk-ins accepted for exams held on 4th Sunday each month at 2:30 p.m. at Church of the Atonement on Highpoint Rd. Contact Neil Foster, KC4MJ, 449-3340.

Dalton WCARS-VEC
Exams on last Saturday of each even numbered month at Unity Baptist Church at 3:00 p.m. Pre-registration only - send 610 to arrive no later than day before exam. Schedule: Aug. 22, Oct. 24, and Dec. 26, 1992. Contact Bert L. Coker, N4BZJ, 2102 Millican Lane, Dalton, Ga. 30721. (706) 259-5625. Alt. Contact, Harold W. Jones, N4OTC, P.O. Box 211, Rocky Face, Ga. 30740. (706) 673-2291. Talk-in: 147.315.

Kentucky

Hazard WCARS-VEC
Exams usually held on some Tuesdays at 7:00 p.m. at Ray G. Eversole School. Walk-ins normally accepted. For exact dates and additional information, contact John Farler, K4AVX, (606) 436-5354.

Louisville WCARS-VEC
Walk-in exams are normally held the 3rd Saturday of odd numbered months at 10:00 a.m. - 2:00 p.m. at the Government Center, Outer Loop, 3 miles East I-65. Sked: Sep. 26 & 27 (Louisville Hamfest) and Nov. 21. Contact Otis Herron AA4HJ, 4810 Hood Road, Louisville, KY 40213. (502) 969-7332. Alternate contact is Bob Happell, N4GLX, 2012 Ben All Road, Louisville, KY 40223. (502) 425-5260. Talk-in is on 147.18.

Middlesboro WCARS-VEC
First Thursday of each mid-quarter month at Middlesboro Library at 6:00 p.m. Walk-ins normally accepted. Schedule: Aug. 6, and Nov. 5. Contact: Andrew A. Pitt, WB8WEZ, (606) 248-0046 or alternate James Dyke, KZ8A, (615) 869-4453. Talk-in: 146.775.

South Carolina

Charleston WCARS-VEC & W5YI VEC
Walk-in Exams will be held third Saturday of each month at 9:00 a.m. at Trident Tech College. Even months by W5YI team, and odd months by WCARS team. Schedule: Aug. 15, Sep. 19, Oct. 17, Nov. 21 and Dec. 19. Contact: Pat Foster, AC4IH, 117 Keenan Ave., Goose Creek, SC 29445. (803) 553-3871 or Werner E. Dolder, AA4IX, 327 Heber Rd, Summerville, SC 29483. (803) 873-9465. Talk-in on 147.27.

Columbia, WCARS-VEC
Walk-in exams held on third Saturday of even months, at the Red Cross Bldg., Bull Street and Harden Ext., in Columbia at 8:30 a.m. Schedule: Aug. 15, Oct. 17, and Dec. 19, 1992. For info contact: Ray Rogers, N4WR, P.O. Box 550, Chapin, S.C. 29036. (803) 345-3373.

Greenville WCARS-VEC
Exams 1st Saturday of each odd-numbered month at 8:30 a.m. at Greenville Technical College Library Auditorium. Walk-ins normally accepted. Schedule: Sep. 12, and Nov. 7, 1992. For More Information contact John Chism, ND4N, 203 Lanewood Dr., Greenville, SC 29607. (803) 288-0136. Talk-in 146.61

Lancaster W5YI-VEC
Novice thru Extra. Pre-Regis, or Walkins. 9:30 a.m. USC, Main Bldg. Talk-in: 10-70. Contact Grady Robinson, AK4N, 902 Forest Dr., Lancaster, SC 29720. (803) 283-8298. Call or write for dates.

Spartanburg WCARS-VEC
Exams 2nd Tuesday of each even-numbered month at 7:00 at Spartanburg Chapter of the American Red Cross on Garner Road. Walk-ins normally accepted. For information contact: Pete Theiler, KI4KN, P.O. Boxs 5369, Spartanburg, SC, 29304. Phone 585-4919 (night) 578-5566 (day)

Sumter WCARS-VEC
Walk-in exams are held each 3rd Saturday of odd numbered months at the Abundant Faith Church on Hwy. 521. at 8:30 a.m. Schedule: Sep. 19, and Nov. 21, 1992. Contact: Dan Mask WB5SGH, 404 Sanders Drive, Sumter, SC 29150. (803) 775-9106.

Mississippi

Gulfport ARRL-W5YI VEC
Exams held at Harrison Cty. Courthouse in CD conf. room at 8:00 a.m. Contact Stan Hecker, AA4SP (601) 875-9341 day and 875-0222 nights.

Ocean Springs ARRL-W5YI VEC
Exams will be held at 7:00 p.m. at Ocean Springs Library in meeting room. Pre-registration requested, limited walk-ins accepted. For exam schedules, contact Stan Hecker, AA4SP (601) 875-9341 day and 875-0222 nights.

Arkansas

West Memphis WCARS-VEC
Walk-in exams are held on 2nd Saturday of each month at 9:00 a.m. at the Rosewood United Meth. Ch. 2303 E. Barton Ave. Schedule: Aug. 8, Sep. 12, Oct. 10, Nov. 14, and Dec. 12. Contact: Gene Bagley, AB5BL, Rt. 1, Box 13, Dunhill Rd. N, Marion, AR 72364 (501) 739-4029, or Alt. Rev. Richard Gregory, AB4CH, 824 Pryor Dr., West Memphis, AR 72301. (501) 735-4060. Talkin on 147.15.

Indiana

New Albany, WCARS-VEC
Exams are conducted on the 3rd Saturday of even numbered months from 10:00 a.m. - 2:00 p.m. at the Indiana University South, Grant Line Road. Sked: Oct. 17 and Dec. 19. Walk-ins normally accepted. Contact Dick Truax, K8GVU, 3018 Gus Emmett Trail, Sellersburg, IN 47172. (812) 246-6377.

IMPORTANT NOTE TO ALL VEC/VEs
in fairness to our readers who expect and deserve accurate up-to-date Examination information, the Repeater Journal updates this Exam schedule each issue as information is received from VECs and VE Teans. As dates become no longer valid, schedules are Deleted unless new information is obtained. VECs who have never sent schedules for publication, are urged to do so. Our readers are calling and want your schedules. We hope you will respond responsibiy. The listings are published FREE for our readers!

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Question Pool Committee Asks For Amateur Input For Exam Element 3(b)

The Question Pool Committee, through approval of the National Conference of Volunteer Examiner Coordinators is calling for input to syllabus for Element 3(b) General Class written test.

Responses from the public should be sent to all three members of the QPC:

Ray Adams, N4BAQ
5833 Clinton Hwy. #203
Knoxville, Tn. 37912
MCI 390-4185

Fred Maia, W5YI
P.O. Box 565101
Dallas, Tx 75356
MCI 351-1297

Bart Jahnke, KB9NM
225 Main Street
Newington, Ct. 06111
MCI 215-5052

The QPC will begin work on the Element 3(b) syllabus on October 1 and release the updated/revised syllabus on Feb. 1, 1993. Again a call for input from that date thru June 30, 1993 with a target date of July 1 to begin work on the pool. Study guides will be on bookshelves by May 1, 1994 and the pool will be implemented and used in all General examinations on July 1, 1994.

Last year the QPC moved to a four year cycle for replacement of question pools for individual license grade exams. Because of the pattern established by publishers, printing a "Nocode" study guide with Elements 2 and 3A, it was passed that these two elements be changed simultaneously, all other elements individually. The QPC had placed in public domain their recommendations of Elements 2 and 3A until June 30th.

It has been decided that the Element 2 question pool will be amed at the reading level of a middle school student, and Element 3A will be aimed at the reading level of a high school student.

These two question pools when completed will be released on January 1, 1993, so study guides can be printed. Accordingly the new Elements 2 and 3A will be implemented into testing on July 1, 1993.

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REP. #3				
REP. #4				

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ADDRESS_____ ADDRESS_____

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SERA IS THE OFFICIAL COORDINATOR FOR: NC, SC, VA, TN, KY, TN, GA, MS.

WEST VIRGINIA PACKET NEWS

There's really not much packet news this time out, either. But to fill space I've sent along severasl pictures for the editor's consideration for use in the West Virginia news section of this issue.

*****

I noticed recently by way of a "routes" command to several nodes on 145.05 MHz that there is now a new node on that frequency near Huntington (probably on Barker's Ridge for that's where Pete, KB8DA, works for one of the PBS-TV stations with a transmitter tower there). It is: HTS,KB8DA-5. It joins Pete's other node HTSDX:KB8DA-9 on 145.09 MHz. That 145.09 frequency is primarily used in this area for access to various DX packet clusters.

Also relatively new on 145.09 is BLF:W8MOP-9 at Bluefield, sponsored by the East River ARC.

*****

Fred Jones, WA4SWF, down at Louisa, Ky has asked that I mention the passing in January of this year of Elmer Pigmon, K4PGA, who was trustee on the repeater there for so long and who did so much work on it. And Frank, KJ4SU, also at Louisa has a memorial message to Elmer on his beacon for his Digicom Version 4.07 software PBBS there. Connect to the PBBS on 145.05 to KJ4SU-3 off of KYLOU2 in Louisa.

*****

Bill Evans, KB8KPT, a Mingo County Deputy Sheriff, has an earlier software version Digicom PBBS on at Matewan. He hopes soon to upgrade his BBS to Digicom V4.07 also. Bill's XYL, by the way, is a ham too. She is Lisa, N8MYI.

*****

Fred has also been sending me packet messages trying to explain a new packet node software update called, I gather, The NEW.NET. If I understand him correctly it is built upon an earlier version of some Nord-Link software. But it doesn't sound, so far, as good as the reported version 2.09B of The.Net Plus software reportedly ready for distribution from the authors out in Arizona. The.et Plus V2.08B is the software on most of Terry's (WB8IFS) nodes around West Virginia. As far as I know no node around here has upgraded to the new V2.09B.

*****

West Virginia Amateur Radio, Inc., Hurricane, has upgraded packet equipment installed for the emergency communication system at the National Weather Service office at Yeager airport in Charleston, WV. WVAR President Gerry Sizemore noted in a news release for area media that one of the main advantages of the new digital system -- which combines an amateur radio transceiver, packet communications controller, computer, printer and monitor -- is that Amateur radio operators throughout West Virginia -- or anywhere on the packet network system -- can easily direct messages to the new NWS station by using standard Amateur radio packet traffic hyandling networks and packet bulletin board systems (PBBS). In the announcement WVAR acknowledged the support and encouragement from the Charleston PBBS (WB8CQV.WV.USA.NA), the networking facilities of the various WB8IFS nodes around the state, and the Charleston office of the NWS.

*****

Remember, keep feeding me information and items for this quarterly column in the *Repeater Journal*. Send by mail to: P.O. Box 133, Cabin Creek, WV 25035. Or you may send it by packet to: WD4KHL @ WB8CQV.WV.USA.NA.

And that's it till next issue --in November!

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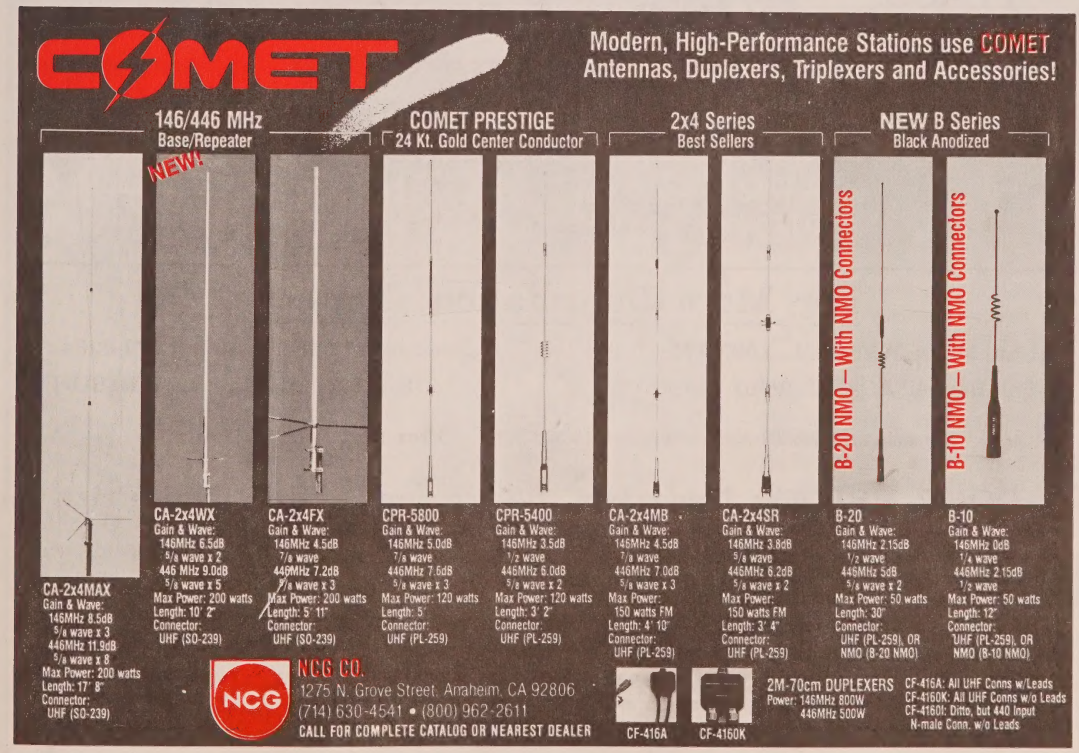
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June 1991 versus June 1992

Amateur Radio Operator Census In SERA Territory Today

Tnx to W5YI Report for Providing Statistics

Yes, we have grown by leaps and bounds over the past year, not only in SERA Territory, but across the United States.

Obviously the biggest growth comes in the Technician ranks which is the entry leven by choice by most newcomers. There are now more than twice as meny Techs as there were in 1987. In fact, Technician licensees have passed the number of total General Class licensees, who had been ahead for many years.

In SERA territory, comprised of 8 Southeastern States, we have seen growths in Amateur radio operators from a low of 9.4% in one State to a high of 12.1% in another. The other six States fall within those figures.

Nationwide it is about the same, from 6 to 14% increases. Nevada and Arizona have the largest gains of 13.1 and 14.5% respectively.

By early June there were over 175,000 licensed Technicians, nationwide, representing almost 31% of the entire Amateur population. In 1989, there were about 108,000 Technicians, or about 23.7% of all Amateurs.

Group "C" Call signs have run out in the 4th, 5th, 6th and Puerto Rico call Districts. The 8th District of which SERA's West Virginia is included is three-fourth the way through their 1x3 group "C" Call signs. When the 1x3s ran out, Technicians and Generals began receiving Group "D" calls, or 2x3 call signs. (Novices, Technicians and Generals now get 2x3 callsigns).

Another interesting aspect shows that VECs are coming out to meet the damand for testing sessions by almost-doubling the number of sessions since 1990. More hamfests are conducting VE examination sessions during their weekends than ever before. Adding to the convenience, more VEs are taking on the chorse of allowing walk-in applicants, rather than requiring pre-registration.

At the rate the 2x3 call signs are being issued in the 4th call district, the the KD4 call signs will probably run out before the end of 1992.

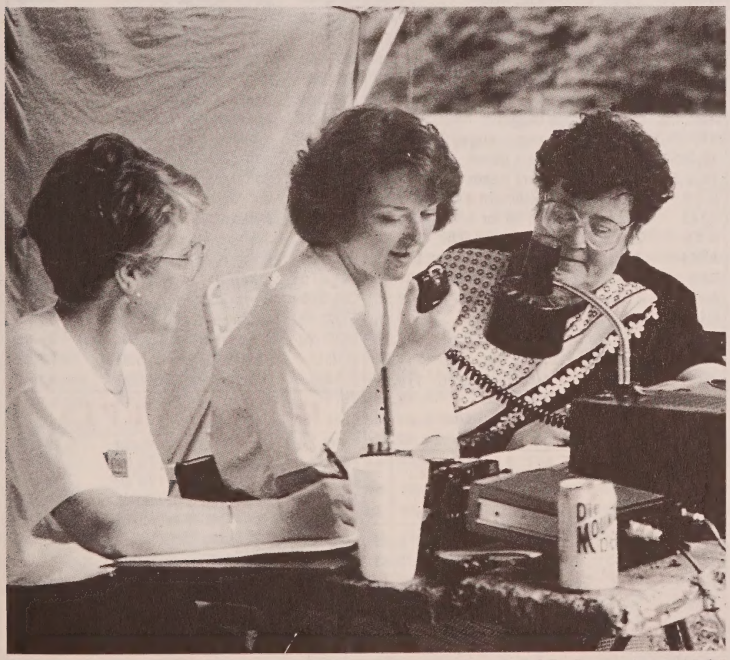
Reports earlier indicated that almost 70% of the no-code Technicians being licensed were learning the code and upgrading to General and higher after a period of enjoying Technician privileges.

Amateur Radio Census in SERA Territory - June 1, 1991 thru June 1, 1992

State	1991 Extra	1992 Extra	1992 Adv.	1992 Adv.	1991 Gen.	1992 Gen.	1991 Tech.	1992 Tech.	1991 Nov.	1992 Nov.	1991 Total	1992 Total	% Incr.	State
GA	1132	1218	2215	2302	2387	2434	3032	3816	1502	1533	10268	11304	10.1	GA
KY	594	645	1075	1105	1334	1368	1640	2182	1191	1202	5834	6502	11.5	KY
MS	359	389	724	752	813	826	873	1183	540	559	3309	3709	12.1	MS
NC	1242	1330	2511	2603	2729	2802	3142	4112	1837	1870	11461	12717	11.0	NC
SC	500	547	979	1004	1231	1254	1225	1583	693	675	4628	5063	9.4	SC
TN	1037	1152	2096	2164	2069	2136	3069	3811	1545	1538	9816	10801	10.0	TN
VA	1587	1693	2750	2825	2901	2973	3028	3966	2062	2082	12328	13539	9.8	VA
WV	392	426	635	671	849	876	1106	1498	937	924	3919	4395	12.1	WV
TTL	**6843**	**7400**	**12985**	**13426**	**14313**	**14669**	**17115**	**22151**	**10307**	**10383**	**61563**	**68030**	**9.5**	**TTL**

-Compiled and edited by the Repeater Journal from figures from W5YI Report, 7-15-92

Ladies From The "76 Group" At Field Day



Amateurs from the "76 Group" a club of users of the N4GGD Greensboro 16-76 repeater participated in field day in June. They set up at the Old North State Council Boy Scout Camp at nearby Brown Summit. The group's main goal at the Field Day activities was to have fun, and give the new ham members the experience of operating Field Day. Some 40 visitors came by the site during the weekend to watch and experience the excitement of Field Day. In the photo: Ann Gibson, KD4IVM, Lesa Layno, KD4DNI and Sharon Marshall, N4QCJ log and work contacts on 20 and 40 meters. A Novice station was also in operation. (Photo by Steve Mosier, W3GRG)

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F-22A	2mtr 2-7/8 6.7 db 200w 10.5'	97.95
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24AT	2mtr/70cm HT dual band	379.00
P2AT	2mtr ht 2 watts wide RX	349.00
2SRA	2mtr HT 50-905mhz RX	474.00
2GAT	2 meter HT 7 watts	329.00
2SAT	2 meter HT S series	319.00
3SAT	220 mhz HT S series	299.00
4SAT	440 mhz HT S series	329.00
229H	2 meter 50 watt mobile	369.00
449A	440mhz fm xcvr w/tt mic	439.00
38A	220 mhz 25 watt mobile	359.00
3230H	2mtr/70cm 45/35 watts	699.00
2410H	2mtr/70cm 45/35 watts	769.00
275H	2mtr all mode 100watts	1299.00
575H	6/10mtr fm/ssb/cw 100w	1399.00
970A	2mtr/70cm 25w w/ps35	2319.00
970H	2mtr/70cm wo/pwr sup	2499.00
728	HF 100watt xcvr **NEW**	899.00
729	HF 100watt w/6mtr **NEW**	1169.00
735	HF tranceiver 100 watts	939.00
751A	HF tranceiver 100 watts	1339.00
765	HF tranceiver tuner/ps	2349.00
901	2mtr/70cm multi band	879.00
AH-2A	auto tuner for 735/751	509.00
AH-3	auto tuner for 725	429.00
AT-150	auto tuner 725/735/751	399.00
AT-500	auto tuner 500 watts	519.00
BC-72A	rapid charger W2A, 2SAT..	109.00
BC-80	rapid charger "P"&"S"series	119.00
BP-3	250mah 8.4vdc battery	42.00
BP-7	425mah 13.2vdc battery	83.00
BP-8	800mah 8.4vdc battery	83.00
BP-83	600mah 7.2vdc battery	51.00
BP-84	1000mah 7.2vdc battery	78.00
BP-85	340mah 12vdc battery	99.00
PS-35	int power supply 751/970H	209.00
PS-55	20 amp ext ps 725-751A	209.00
R-1	.1-1300mhz am/fm/wfm	449.00
R-71A	100khz-30 mhz receiver	999.00
R-72	30khz-30 mhz receiver	919.00
R-100	.1-1856 mhz receiver	599.00
R-7000	25-2000 mhz receiver	1179.00
R-7100	25-2000 mhz receiver	1139.00
RP-1520	2 meter repeater 25watts	1949.00
SM-6	desk mic 8 pin	50.00
SM-8	desk mic 8 pin up/dn	93.00
SP-3	base station ext speaker	68.00
SP-12	slim speaker w/visor clip	27.00
SP-20	external speaker w/filters	146.00

Icom Authorized Sales and Service

KENWOOD

AT-300	160-10 ext auto tuner 850	CALL
AT-450	80-10 int auto tuner 450	CALL
AT-850	160-10 int auto tuner 850	CALL
BC-10	compact desk chgr TH-77	CALL
BC-11	rapid charger TH-26/75/77	CALL
BC-15A	rapid charger PB-13 / 14	CALL
DRU-2	digital recording unit 850	CALL
DSP-10	DSP unit for plain TS-950S	CALL
DSP-100	ext dig signal proc TS-850	CALL
HMC-2	boom mic/headset vox ht	CALL
MC-50A	deluxe mic w/amp 4pin	CALL
MC-60A	deluxe mic w/amp 8pin	CALL
MC-80	desk top microphone 8 pin	CALL
MC-85	multifunction desk mic 8pin	CALL
PB-1	12vdc 800mah 5watt 225	CALL
PB-6	7.2vdc 600mah TH-26/77	CALL
PB-7	7.2vdc 1100mah TH-26/77	CALL
PB-8	12vdc 600mah TH-25/26/77	CALL
PB-12	12v 500mah 5watt TH-225	CALL
PB-13	7.2vdc 700mah std TH-27	CALL
PB-14	12vdc 300mah TH-27	CALL
PC-1A	phone patch	CALL
PS-52	hvy dty pwr supply TS-850	CALL
PS-53	hvy duty (22.5a) ps TS-450	CALL
R-2000	150khz-30mhz gen cov rcvr	CALL
R-5000	100khz-30mhz gen cov rcvr	CALL
SMC-32	compact spkr microphone	CALL
SMC-33	rmt ctl spkr/mic TH-27/77	CALL
SP-23	external speaker TS-450	CALL
SP-31	external speaker TS-850	CALL
SW-2100	swr/pwr mtr 1.8-30mhz 2kw	CALL
TH-28AT	2 meter ht 2.5w **NEW**	CALL
TH-78A	2 meter/70cm ht **NEW**	CALL
TH-225A	2 mtr ht 5 watt rx 141-163	CALL
TM-241A	2 meter 50 watt dtmf mic	CALL
TM-711A	2mtr 25watt all mode w/ps	CALL
TM-732A	2 meter/440mhz tranceiver	CALL
TM-741A	2 meter/440mhz tranceiver	CALL
UT-28S	28mhz 50w rx 24-36mhz	CALL
UT-50S	50mhz 50w rx 46-57mhz	CALL
UT-220S	220mhz 25 w rx 215-230	CALL
TS-140S	hf 100w tranceiver 31 mem	CALL
TS-450S	160-10m 100w wo/ tuner	CALL
TS-450SAT	160-10m,int w/auto tuner	CALL
TS-690S	as TS-450S w/6m @ 50w	CALL
TS-790A	144/440/ 1200 optional	CALL
TS-850S	160-10m wo auto tuner	CALL
TS-850SAT	160-10m internal auto tuner	CALL
TS-950SDX	160-10M 150watts **NEW**	CALL

Kenwood Authorized Sales and Service

YAESU

FT-1000	HF 200 watt tuner/ps	2719.00
FT-1000D	HF 200 watt tuner/ps	3499.00
FT-990	HF 100 watt tuner/ps	1919.00
FT-890	HF 100 watt no tuner	1069.00
FT-890AT	HF 100 watt w/tuner	1219.00
FT-767GX	HF 100 watt tuner/ps	1659.00
767-2M	2 meter unit for FT-767	229.00
767-6M	6 meter unit for FT-767	189.00
FT-747GX	HF 100 watt tranceiver	719.00
FC-757AT	auto antenna tuner	379.00
FP-700	std power supply(20A)	219.00
FP-757HD	heavy duty ps speaker	279.00
FT-736R	2meter/70cm all mode	1549.00
736-6M	6 meter unit for FT-736	264.00
736-220	220 unit for FT-736	289.00
FT-5200	2mtr/70cm 50/35watts	614.00
FT-212RH	2 meter 45 watts	329.00
FT-2400H	2 mtr alpha-num 50w	359.00
FT-290R/II	2 mtr all mode 25 watt	519.00
FT-690R/II	6 mtr all mode 10 watt	619.00
FT-790R/II	70cm all mode 25 watt	579.00
FT-411E	2mtr HT w/FNB-17	289.00
FT-415	2mtr HT w/FNB-25	329.00
FT-470	2mtr/70cm HT dual rx	399.00
FNB-12S	600mah 12v Ni-Cad	64.00
FNB-14	1000mah 7.2v battery	62.00
FNB-17	600mah 7.2v battery	45.00
DVS-1	digital voice memory	105.00
DVS-2	digital voice memory	279.00
DVS-3	digital voice memory	124.00
FM-747	FM for FT-747	47.00
MD-1C8	desk mic 8 pin	109.00
MH-1B8	hand mic 8 pin	29.00
MH-12A2B	speaker mic large size	36.00
MH-18A2B	speaker mic small size	29.00
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NC-37	1 hr quick chgr 411/470	95.00
NC-42	1 hr quick charger 415	95.00
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YSK-1L	separation kit FT-5200	59.00
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G-5400B	az-ele med duty 16sq ft	439.00

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224.26	444.10

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Dial *914 For Highway Patrol-Raleigh

DFMA Meets Second Tuesdays at 6 PM

147.225: Home of the "Possum Trot Net"

6:15 - 7:15 AM Monday - Friday

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29.620 Bolt Mtn. Beckley, WV KA8OTX	146.625 Huff Knob Flat Top, WV WF1G	224.120 Huff Knob Flat Top, Wv. WF1G
29.680 Oneida Peak Bluefield, Va. WZ8E	146.865 Mountain Lke Pembroke, Va WZ8E	444.000 Herndon Mt. Mullens, Wv. KC8IT
145.01 East River Mt Bluefield, Va. WB4BBF-1	146.955 Oneida Peak Bluefield, Va. WZ8E	444.400 Keeney Mt. Alderson, Wv. WF1G
145.170 Bolt Mtn. Beckley, Wv. WF1G	147.030 Herndon Mt. Mullens, Wv. KC8IT	444.625 East River Mt. Bluefield, Wv. WZ8E
145.310 Mann Mtn. Beckley, Wv. WF1G	147.270 Poor Mt. Roanoke, Va. KB4QWO	444.800 Lick Knob Beckley, Wv. WF1G
		442.300 Bolt Mt. Beckley, Wv. AA8BS

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WA4KXV

Repeaters by the Sea

145.01 — 145.67 — 224.52

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RVARC

(The Roanoke Valley Amateur Radio Club) Owns, services and operates this repeater

W4CA NET IS ON EVERY WEDNESDAY 8:00 pm - 9:00 pm on 146.985 mhz

RVARC SPONSORS MAYFEST 1992

EAST COAST 70 cm NET

432.090 SSB/CW

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Coverage: VA, NC, SC, GA, FL, AL MS, LA, TN, IL, IN, KY, OH, WV...

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1296.090 WEDNESDAYS 9:30 PM

NCS: WA4ZIA CHARLOTTE, NC

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SERA Repeater Journal
Hamfest Calendar

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AUGUST 1992

1-2 ..... 19th Hamfest, JACKSONVILLE, FL
1-2 ..... 4th Annual High Point RC Hamfest, HIGH POINT, NC
2 ..... 42nd Winchester Hamfest, BERRYVILLE, VA
8 ..... Tri-State ARA Hamfest/Computer Show, HUNTINGTON, WV
9 ..... ARRL Central Hamfest, FRANKFORT, KY
15-16 ..... Hamfest, HUNTSVILLE, AL
20-23 ..... ARRL Nat'l Convention/ Hamfest, LOS ANGELES,CA
22 ..... Hamfest, SPRUCE PINE, NC
22-23 ..... Confederate Signal Corps Hamfest, MADISON, GA
22-23 ..... Hamfest, MOBILE, AL
23 ..... GCARA Hamfest, CINCINNATI, OH
23 ..... St. Charles ARC Hamfest '92', ST. CHARLES, MO
30 ..... Short Mt. Rep Club Hamfest, CEDARS OF LEBANON, TN

SEPTEMBER 1992

5-6 ..... 35th Annual Hamfest, SHELBY, NC
12 ..... Statesboro ARS Hamfest, STATESBORO, GA
13 ..... Foundation AR Hamfest, GAITHERSBURG, MD
19-20 ..... Hamfest/Computer Show, VIRGINIA BEACH, VA
26 ..... Danville/South Boston 1st Annual Hamfest (Squire Armory), DANVILLE, VA
26-27 ..... Hamfest, LOUISVILLE, KY

OCTOBER 1992

3 ..... Hamfest, ROME, GA
3-4 ..... Miss. Coast ARA 16th Annual Ham/Swapfest, BILOXI, MS
3 ..... 41st Annual Hamfest & Computer Fair, ROCK HILL, SC
4 ..... 14th Annual CARA Hamfest, HOWARD CTY, MD
10 ..... 39th Annual Hamfest/Computer Show, AUGUSTA, GA
10-11 ..... "Memfest '92" Hamfest, MEMPHIS, TN
11 ..... Hamfest, MAYSVILLE, NC
17 ..... Hamfest, TUSCALOOSA, AL
17 ..... Tri-Cities Hamfest, GRAY, TN
24 ..... Hamfest, SUMTER, SC
31 ..... Fallfest '92, FOREST CITY/RUTHERFORDTON, NC
31-Nov. 1 ..... Ham Radio/Computer Expo '92, LAWRENCEVILLE, GA

NOVEMBER 1992

1 ..... Mason-Dixon Hamfest, WESTMINSTER, MD
14 ..... TVARN Hamfest, COOKVILLE, TN
15 ..... 4th Annual JARSFEST, BENSON, NC
21-22* ..... Suncoast Conv. '92 TAMPA, FL

DECEMBER, 1992

6 ..... HolidayFest '92, LARGO, MD

PART OF 1993 CALENDAR (Preliminary

JANUARY 1993

9 ..... Lakeway ARC Hamfest, MORRISTOWN, TN
23-24 ..... TVARN Hamfest, GALLATIN, TN

FEBRUARY 1993

6* ..... Hamfest, SEVIERVILLE, TN
6-7* ..... Tropical Hamboree, MIAMI, FL
6-7* ..... Capitol City Hamfest, JACKSON, MS
12-13* (Fri, Sat) ..... 14th Annual Hamfest & Computer Show, SARASOTA, FL
14* ..... Hamfest, PENSACOLA, FL
14 ..... Hamfest, ELKIN, NC
20* ..... Hamfest, (Nat'l Guard Armory), CHARLESTON, SC
20-21* ..... Hamfest, CINCINNATI, OH
21* ..... 15th Annual Hamfest, FAYETTEVILLE, WV
21* ..... Vienna Wireless Soc. Winterfest, VIENNA, VA
27* ..... Hernando Cty. ARAs 11th Annual Hamfest, BROOKSVILLE, FL
27* ..... Hamfest, DALTON, GA
27* ..... CCARS, Winter Hamfest, CAMP HILL, PA

MARCH 1993

6* ..... 6th Annual Springfest (Ham & Computer Show), YORK, PA
6* ..... Mammoth Cave ARC Hamfest, CAVE CITY, KY
6* ..... Swapfest, MORRISTOWN, TN
12-14 ..... Hamcation, ORLANDO, FL
13-14 ..... Hamfest/Computer Show, CHARLOTTE, NC
20* ..... Kennehoochee ARC, MARIETTA, GA
20-21* ..... Hamfest, LAFAYETTE, LA
20-21* ..... Swapfest, FT. WALTON BEACH, FL
27-28* ..... Hamfest, COLUMBUS, GA
27-28* ... 22nd Baltimore Hamboree/Computerfest, at Fairgrnds., TIMONIUM, MD

APRIL 1993

3 ..... 8th Annual CARS Chesapeake "Springfest", VIRGINIA BEACH, VA
3 ..... Central Georgia Nat'l Hamfest, PERRY, GA
3-4* ..... Hamfest, LITTLE ROCK, AR
4* ..... Hamfest/Computer Show, CHARLESTON, WV
10* ..... Hamfest, OAK RIDGE, TN
10-11* ..... Old Natchez ARC, Hamfest, NATCHEZ, MS
11* ..... Hamfest, CLARKSVILLE, TN
11* ..... NC State ARRL Conv/RARS Hamfest, RALEIGH, NC
11* ..... Penn-Del ARC Hamfest, NEW CASTLE, DE
18* ..... Carroll Cty. Computerfest & Hamboree, WESTMINSTER, MD
23-24-25 ..... 42nd Hamvention, (Hara Conf. & Exhib. Cen.), DAYTON, OH

MAY 1993

1-2* ..... 54th Hamfest At Anderson Cty Fairgrnds,GREENVILLE, SC
1-2* ..... Hamfest, BATON ROUGE, LA
8* ..... Jackson Cty Hamfest, RIPLEY, WV
9* ..... Hamfest, MEDINA, OH
15* ..... 32nd RVARC Hamfest - Mayfest '93, ROANOKE, VA
14-16* ..... Rochester Hamfest, ROCHESTER, NY
15-16* ..... Hamfest, BIRMINGHAM, AL
15-16* ..... Andrsn, Hrtwl, Toccoa RC Hamfest, LAKE HARTWELL, GA
16* ..... TSRAC Hamfest, Computer Fair, WHEELING, WV
22* ..... 19th Annual Dur-Ham-Fest, DURHAM, NC
23* ..... 3rd Annual "Down East" Hamfest, KINSTON, NC
23* ..... MD. FM Assn. Hamfest, (Howard Cty Fairgrnds), W. FRIENDSHIP, MD

JUNE 1993

5* ..... Clev. ARC Starfest, CLEVELAND, TN
5* ..... Amateur Radio & Computer Fair, KNOXVILLE, TN
5* ..... Athens RC Annual Hamfest, ATHENS, GA
6* ..... Hamfest, HUMBOLT, TN
6* ..... Ole Virginia Hams - Hamfest, MANASSAS, VA
6* ..... Hamfest, MUNCIE, OH
12* ..... Hamfest, WINSTON-SALEM, NC
19* ..... Hamfest & Computer Fair, BLUEFIELD, WV
19-20* ..... Albany ARC Hamfest, ALBANY, GA
20* ..... Hamfest, FREDERICK, MD

JULY 1993

3-4* ..... West Va.State ARRL Conv/Hamfest, JACKSONS MILL, WV
10* ..... TARC, Charleston II Summer HF & Computer Expo, CHARLESTON, SC
11* ..... Summit ARAs Carrol Cty. Hamfest/Computer Show, WESTMINSTER, MD
17* ..... Summer Swapfest, CARY, NC
17* ..... NC Chapter TSRAC "Firecracker" Hamfest, SALISBURY, NC
17-18 ..... SE ARRL Div. Conv/Hamfestival, ATLANTA, GA
24-25* ..... WCARS Asheville Hamfest, Haywood Cty. Fairgrnds, ASHEVILLE, NC
25* ..... BRATS Hamfest and Computer Fest, TIMONIUM, MD
31* ..... Hamfest, COLUMBUS, OH

AUGUST 1993

?? ..... 20th Hamfest, JACKSONVILLE, FL
?? ..... 5th Annual High Point RC Hamfest, HIGH POINT, NC
?? ..... 43rd Annual Winchester Hamfest, BERRYVILLE, VA
7* ..... Tri-State ARA Hamfest/Computer Show, HUNTINGTON, WV
8* ..... Mid-Ohio Valley ARC Hamfest, PARKERSBURG, WV
8* ..... ARRL Central Hamfest, FRANKFORT, KY
13-15 ..... ARRL Nat'l Convention, Hamfest, HUNTSVILLE, AL
14-15* ..... ARK-LA-TEX Hamfest, SHREVEPORT, LA
21* ..... Hamfest, SPRUCE PINE, NC
21-22* ..... Hamfest, MADISON, GA
21-22* ..... Hamfest, MOBILE, AL
22* ..... GCARA Hamfest, CINCINNATI, OH
22* ..... St. Charles ARC Hamfest '93', ST. CHARLES, MO
29* ..... Short Mt. Rep Club Hamfest, CEDARS OF LEBANON, TN

CONFIRMED 1994 DATES

Apr. 29, 30, May 1 ..... 43rd Dayton Hamvention, DAYTON, OH
June 10-12 ..... ARRL National Convention, DALLAS, TX

CONFIRMED 1995 DATES

April 28-30 ..... 44th Dayton Hamvention, DAYTON, OH

Please note: The ***Repeater Journal*** maintains Southeastern show dates on our Database. **Unconfirmed shows** are published each issue until the quarter before the show date-then deleted. If the **show is confirmed**, we will publish each quarterly issue up to and including show date, free of charge. Hamfest dates marked with an asterisk(*) are **NOT confirmed** and are based on information on record from the previous year's date, with no guarantee of its accuracy. Hamfest sponsors are urged to get their correct show dates to the ***Repeater Journal*** Editor as soon as possible. We acknowledge assistance in maintaining this list from ***AUTO-CALL, TSRAC A.R. News Bulletin, The Magnolia Report*** and Frank Butler, W4RH, ARRL SE Dir., also, the response of many clubs sponsoring hamfests.

WHERE TO BUY DIRECTORY

Advertising Supporters of the Repeater Journal!

AD Technologies, (GA) 10
ALINCO Electronics, Inc. (CA) ..... Outside Back Cover
ASA Distributors (NC) 42
Benson Jarsfest 92 (NC) 18
Blue Ridge Digital Society (B.V.D.S.) (VA) 47
Cap 'N' Badge Man (SC) 20
Certified Communications (SC) 60
Charlotte Hamfest (NC) 12
Computer Automation Technology, Inc (FL) 24
Country Ham (Power Quad) (SC) 13
CQ Magazine (NY) 41
Danville/S.Boston Hamfest (VA) ..... Inside Back Cover
Den-Tronics (MI) 60
Dynamic Engravers (NC) 41
Electronic Specialists (NC) 56-57
HOWCAT (Quantum Battery) (NC) 16
Lakeview Co. (WD4BUM Antennas) (SC) 40
Madison Hamfest (GA) 23
Merlin's Custom Embroidery (VA) 60
NCG Companies (COMET) (CA) 53
Omega Electronics (NC) 21
Ray's Amateur Electronics (NC) 11,14,17,40
Repeater-Club-Net Service Page 58
Repeater Journal Advertising Rate Card 47
Rock Hill Hamfest (SC) 26
Rutherfordton Fallfest (NC) 43
Shelby Hamfest (NC) 4-5
Sumter Hamfest (SC) 54
Tri-Cities (Gray) Hamfest (TN) 6
Virginia Beach Hamfest (VA) 48-49
Williams Radio Sales (NC) 8,9,13,15,24,44,45,46,53
WW Sales (NC) 46

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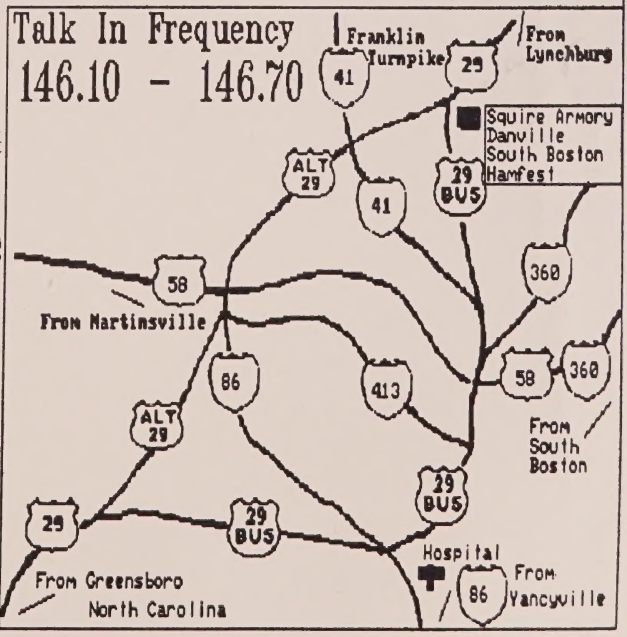

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